PeopleSoft®

PeopleSoft Enterprise SCM Electronic Data Interchange Messaging 8.9 PeopleBook

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PeopleSoft Enterprise SCM Electronic Data Interchange Messaging 8.9 PeopleBook
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Contents

About This PeopleBook Preface

PeopleBooks provide you with the information that you need to implement and use PeopleSoft applications.

This preface discusses:

- PeopleSoft application prerequisites.
- PeopleSoft application fundamentals.
- Documentation updates and printed documentation.
- Additional resources.
- Typographical conventions and visual cues.
- Comments and suggestions.
- Common elements in PeopleBooks.

Note. PeopleBooks document only page elements, such as fields and check boxes, that require additional explanation. If a page element is not documented with the process or task in which it is used, then either it requires no additional explanation or it is documented with common elements for the section, chapter, PeopleBook, or product line. Elements that are common to all PeopleSoft applications are defined in this preface.

PeopleSoft Application Prerequisites

To benefit fully from the information that is covered in these books, you should have a basic understanding of how to use PeopleSoft applications.

You might also want to complete at least one PeopleSoft introductory training course, if applicable.

You should be familiar with navigating the system and adding, updating, and deleting information by using PeopleSoft menus, and pages, forms, or windows. You should also be comfortable using the World Wide Web and the Microsoft Windows or Windows NT graphical user interface.

These books do not review navigation and other basics. They present the information that you need to use the system and implement your PeopleSoft applications most effectively.

PeopleSoft Application Fundamentals

Each application PeopleBook provides implementation and processing information for your PeopleSoft applications.

Note. Application fundamentals PeopleBooks are not applicable to the PeopleTools product.

For some applications, additional, essential information describing the setup and design of your system appears in a companion volume of documentation called the application fundamentals PeopleBook. Most PeopleSoft product lines have a version of the application fundamentals PeopleBook. The preface of each PeopleBook identifies the application fundamentals PeopleBooks that are associated with that PeopleBook.

The application fundamentals PeopleBook consists of important topics that apply to many or all PeopleSoft applications across one or more product lines. Whether you are implementing a single application, some combination of applications within the product line, or the entire product line, you should be familiar with the contents of the appropriate application fundamentals PeopleBooks. They provide the starting points for fundamental implementation tasks.

Documentation Updates and Printed Documentation

This section discusses how to:

- Obtain documentation updates.
- Order printed documentation.

Obtaining Documentation Updates

You can find updates and additional documentation for this release, as well as previous releases, on the PeopleSoft Customer Connection website. Through the Documentation section of PeopleSoft Customer Connection, you can download files to add to your PeopleBook Library. You'll find a variety of useful and timely materials, including updates to the full PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM.

Important! Before you upgrade, you must check PeopleSoft Customer Connection for updates to the upgrade instructions. PeopleSoft continually posts updates as the upgrade process is refined.

See Also

PeopleSoft Customer Connection, https://www.peoplesoft.com/corp/en/login.jsp

Ordering Printed Documentation

You can order printed, bound volumes of the complete PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM. PeopleSoft makes printed documentation available for each major release shortly after the software is shipped. Customers and partners can order printed PeopleSoft documentation by using any of these methods:

- Web
- Telephone
- Email

Web

From the Documentation section of the PeopleSoft Customer Connection website, access the PeopleBooks Press website under the Ordering PeopleBooks topic. The PeopleBooks Press website is a joint venture between PeopleSoft and MMA Partners, the book print vendor. Use a credit card, money order, cashier's check, or purchase order to place your order.

Telephone

Contact MMA Partners at 877 588 2525.

Email

Send email to MMA Partners at peoplebookspress@mmapartner.com.

See Also

PeopleSoft Customer Connection, https://www.peoplesoft.com/corp/en/login.jsp

Additional Resources

The following resources are located on the PeopleSoft Customer Connection website:

Resource	Navigation
Application maintenance information	Updates + Fixes
Business process diagrams	Support, Documentation, Business Process Maps
Interactive Services Repository	Interactive Services Repository
Hardware and software requirements	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Hardware and Software Requirements
Installation guides	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Installation Guides and Notes
Integration information	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation and Software, Pre-built Integrations for PeopleSoft Enterprise and PeopleSoft EnterpriseOne Applications
Minimum technical requirements (MTRs) (EnterpriseOne only)	Implement, Optimize + Upgrade, Implementation Guide, Supported Platforms
PeopleBook documentation updates	Support, Documentation, Documentation Updates
PeopleSoft support policy	Support, Support Policy
Prerelease notes	Support, Documentation, Documentation Updates, Category, Prerelease Notes
Product release roadmap	Support, Roadmaps + Schedules
Release notes	Support, Documentation, Documentation Updates, Category, Release Notes

Resource	Navigation
Release value proposition	Support, Documentation, Documentation Updates, Category, Release Value Proposition
Statement of direction	Support, Documentation, Documentation Updates, Category, Statement of Direction
Troubleshooting information	Support, Troubleshooting
Upgrade documentation	Support, Documentation, Upgrade Documentation and Scripts

Typographical Conventions and Visual Cues

This section discusses:

- Typographical conventions.
- Visual cues.
- Country, region, and industry identifiers.
- Currency codes.

Typographical Conventions

This table contains the typographical conventions that are used in PeopleBooks:

Typographical Convention or Visual Cue	Description
Bold	Indicates PeopleCode function names, business function names, event names, system function names, method names, language constructs, and PeopleCode reserved words that must be included literally in the function call.
Italics	Indicates field values, emphasis, and PeopleSoft or other book-length publication titles. In PeopleCode syntax, italic items are placeholders for arguments that your program must supply. We also use italics when we refer to words as words or letters as letters, as in the following: Enter the letter *O*.
KEY+KEY	Indicates a key combination action. For example, a plus sign (+) between keys means that you must hold down the first key while you press the second key. For ALT+W, hold down the ALT key while you press the W key.
`Monospace font`	Indicates a PeopleCode program or other code example.

Typographical Convention or Visual Cue	Description
“ ” (quotation marks)	Indicate chapter titles in cross-references and words that are used differently from their intended meanings.
. . . (ellipses)	Indicate that the preceding item or series can be repeated any number of times in PeopleCode syntax.
{ } (curly braces)	Indicate a choice between two options in PeopleCode syntax. Options are separated by a pipe (|).
[ ] (square brackets)	Indicate optional items in PeopleCode syntax.
& (ampersand)	When placed before a parameter in PeopleCode syntax, an ampersand indicates that the parameter is an already instantiated object. Ampersands also precede all PeopleCode variables.

Visual Cues

PeopleBooks contain the following visual cues.

Notes

Notes indicate information that you should pay particular attention to as you work with the PeopleSoft system.

Note. Example of a note.

If the note is preceded by *Important!,* the note is crucial and includes information that concerns what you must do for the system to function properly.

Important! Example of an important note.

Warnings

Warnings indicate crucial configuration considerations. Pay close attention to warning messages.

Warning! Example of a warning.

Cross-References

PeopleBooks provide cross-references either under the heading “See Also” or on a separate line preceded by the word *See.* Cross-references lead to other documentation that is pertinent to the immediately preceding documentation.

Country, Region, and Industry Identifiers

Information that applies only to a specific country, region, or industry is preceded by a standard identifier in parentheses. This identifier typically appears at the beginning of a section heading, but it may also appear at the beginning of a note or other text.

Example of a country-specific heading: “(FRA) Hiring an Employee”

Example of a region-specific heading: “(Latin America) Setting Up Depreciation”

Country Identifiers

Countries are identified with the International Organization for Standardization (ISO) country code.

Region Identifiers

Regions are identified by the region name. The following region identifiers may appear in PeopleBooks:

- Asia Pacific
- Europe
- Latin America
- North America

Industry Identifiers

Industries are identified by the industry name or by an abbreviation for that industry. The following industry identifiers may appear in PeopleBooks:

- USF (U.S. Federal)
- E&G (Education and Government)

Currency Codes

Monetary amounts are identified by the ISO currency code.

Comments and Suggestions

Your comments are important to us. We encourage you to tell us what you like, or what you would like to see changed about PeopleBooks and other PeopleSoft reference and training materials. Please send your suggestions to:

PeopleSoft Product Documentation Manager PeopleSoft, Inc. 4460 Hacienda Drive Pleasanton, CA 94588

Or send email comments to doc@peoplesoft.com.

While we cannot guarantee to answer every email message, we will pay careful attention to your comments and suggestions.

Common Elements Used in PeopleBooks

As of Date	The last date for which a report or process includes data.
Business Unit	An ID that represents a high-level organization of business information. You can use a business unit to define regional or departmental units within a larger organization.
Description	Enter up to 30 characters of text.
Effective Date	The date on which a table row becomes effective; the date that an action begins. For example, to close out a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages or panels and batch processes that use the information use the current row.
Once, Always, and **Don't Run**	Select Once to run the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to Don't Run. Select Always to run the request every time the batch process runs. Select Don't Run to ignore the request when the batch process runs.
Process Monitor	Click to access the Process List page, where you can view the status of submitted process requests.
Report Manager	Click to access the Report List page, where you can view report content, check the status of a report, and see content detail messages (which show you a description of the report and the distribution list).
Request ID	An ID that represents a set of selection criteria for a report or process.
Run	Click to access the Process Scheduler request page, where you can specify the location where a process or job runs and the process output format.
SetID	An ID that represents a set of control table information, or TableSets. TableSets enable you to share control table information and processing options among business units. The goal is to minimize redundant data and system maintenance tasks. When you assign a setID to a record group in a business unit, you indicate that all of the tables in the record group are shared between that business unit and any other business unit that also assigns that setID to that record group. For example, you can define a group of common job codes that are shared between several business units. Each business unit that shares the job codes is assigned the same setID for that record group.
Short Description	Enter up to 15 characters of text.
User ID	An ID that represents the person who generates a transaction.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler

Enterprise PeopleTools 8.46 PeopleBook: Using PeopleSoft Applications

PeopleSoft Enterprise Electronic Data Interchange Messaging Preface

This preface discusses:

- PeopleSoft application fundamentals.
- Common elements in this PeopleBook.
- Pages with deferred processing.

Note. This PeopleBook documents only page elements that require additional explanation. If a page element is not documented with the process or task in which it is used, then it either requires no additional explanation or is documented with the common elements for the section, chapter, or PeopleBook.

PeopleSoft Application Fundamentals

The *PeopleSoft Electronic Data Interchange Messaging PeopleBook* provides you with implementation and processing information for your PeopleSoft system. However, additional, essential information describing the setup and design of your system resides in companion documentation. The companion documentation consists of important topics that apply to many or all PeopleSoft applications across the Financials, Enterprise Service Automation, and Supply Chain Management product lines. You should be familiar with the contents of these PeopleBooks.

The following companion PeopleBooks apply specifically to Electronic Data Interchange messaging:

- *PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook*
- *Enterprise PeopleTools 8.46 PeopleBook: Integration Tools*
- *PeopleSoft Enterprise Components for Financials and Supply Chain Management PeopleBook*

Common Elements Used in This PeopleBook

As of Date	The first date for which a report or process includes data.
BU or Business Unit	An identification code that represents a high-level organization of business information. You can use a business unit to define regional or departmental units within a larger organization.
Description	Freeflow text up to 256 characters.
Short Description	Freeflow text up to 15 characters.
Effective Date	Date which a table row becomes effective; the date that an action begins. For example, if you want to close a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages and batch processes that use the information use the current row.

	See *Enterprise PeopleTools 8.46 PeopleBook: Using PeopleSoft Applications*
Language or Language Code	The language of the field labels and report headings of reports to print. The filed values appear as you enter them. Language also refers to the language spoken by an employee, applicant, or non-employee.
Process Frequency	Designates the appropriate frequency to process: *Once*: executes the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to *Don't Run*. *Always Executes*: executes the request every time the batch process runs. *Don't Run*: Ignores the request when the batch process runs.
Process Monitor	View the status of submitted process requests. See *Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler*
Report ID	The report identifier.
Report Manager	View report content, check the status of a report, and see detailed messages. See *Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler*
Run Control ID	A request identification that represents a set of selection criteria for a report or process.
Run	Specify the location where a process or job runs and the process output format.
Status	Check the progress of a report or process. A valid status is *Posted*, *Not Posted*, *Generated*, *Processing*, or *Scheduled*.
User ID	The system identifier for the individual who generates a transactions.
Instance or Prcs Instance	The number that represents where the request is in the queue.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Application Designer

CHAPTER 1

Getting Started with Electronic Data Interchange Messaging

This section discusses EDI integration documentation and implementations.

Navigating PeopleSoft SCM Documentation

PeopleSoft SCM provides powerful integration technology. You can integrate to specific application vendors or share transaction or definitional data directly with suppliers or customers. Resources for technical information are located in the Enterprise Integration section of the PeopleSoft Enterprise Components PeopleBook, PeopleSoft Integration Broker PeopleBook and Enterprise Integration Repository. There are also specific overview sections and examples in the PeopleSoft SCM Integration PeopleBook.

Implementation

In the planning phase of your implementation, take advantage of all PeopleSoft sources of information, including the installation guides, table-loading sequences, data models, and business process maps. A complete list of these resources appears in the preface in the *PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook*, with information about where to find the most current version of each.

See Also

PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, “PeopleSoft Enterprise Application Fundamentals PeopleBook Preface”

CHAPTER 2

Understanding Electronic Data Interchange Messaging

This chapter discusses:

- PeopleSoft Electronic Data Interchange Messaging (EDI Messaging).
- Common EDI terms.
- EDI standards.
- Paper documents compared with EDI standard documents.
- PeopleSoft supported EDI transactions.

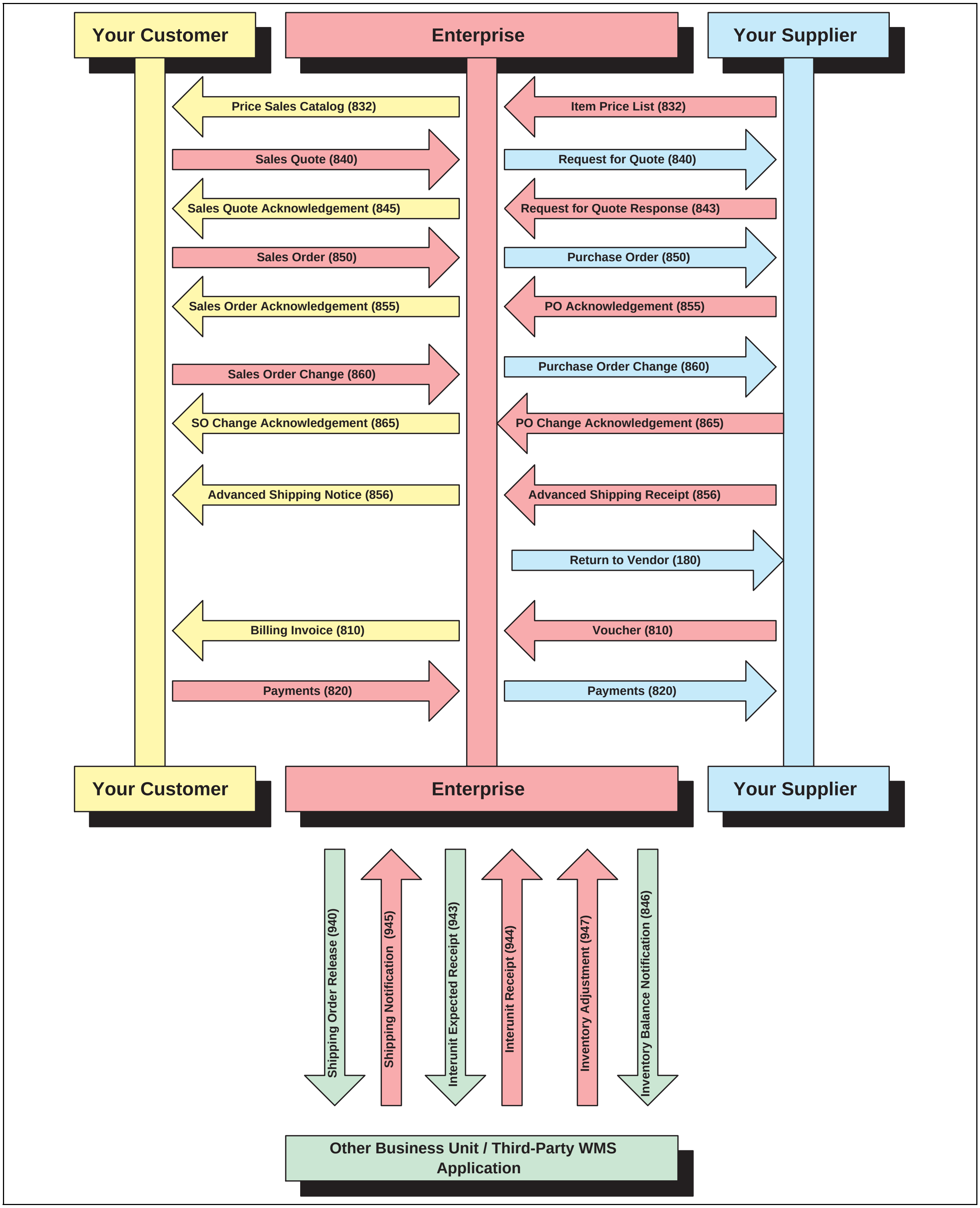
PeopleSoft EDI Messaging

Electronic Data Interchange (EDI) is a method companies use to exchange data and transact business electronically. For example, using EDI a company can submit an order to a vendor, and the vendor can acknowledge and fulfill the order without paper changing hands or any contact between company representatives.

EDI provides a standard format for transaction data, allowing trading partners to communicate in a common language. As such, it is an important part of an electronic commerce strategy. Electronic commerce is a means to extend business processes to include suppliers, customers, and employees in a fully integrated supply chain. It can yield shorter cycle times, more efficient inventory management, and better knowledge sharing throughout your extended enterprise. To see these benefits, you need an integrated enterprise application system that you can extend and customize for your supply chain, while still maintaining enterprise information integrity.

EDI is a crucial part of business-to-business commerce. When computers exchange data using EDI, the data is transmitted in EDI Standard format so that it is recognizable by other systems using the same EDI Standard format. Companies who use EDI have their own translator software package to convert the data from the EDI Standard format to their computer system's format. Companies that exchange EDI data are called trading partners.

The following diagram illustrates the inbound and outbound transactions used by PeopleSoft:



PeopleSoft supported EDI transactions

Common EDI Terms

Archive	To store data for possible future reference.
Data element	An individual piece of information within an EDI Standard document. You group data elements to form data segments.
EDI Standard	A standardized format that defines the syntax, structure, and content of the inbound and outbound document data. • ANSI ASC X12 - Cross-industry standard • WINS - Warehouse industry • UCS - Grocery industry • TRADACOMS - Retail - UK • EDIFACT - Commercial export and transport - international • ODETTE - Motor and component suppliers - Europe In recent years, a United Nations committee has been working to reconcile ANSI ASC X12 with EDIFACT to further standardize EDI on an international basis.
Electronic Commerce	A business environment that includes computer-to-computer, application-to-application, and person-to-person exchange of information.
Electronic Data Interchange (EDI)	Electronic Data Interchange (EDI) is the paperless, computer-to-computer exchange of business transactions, such as purchase orders and invoices, in a standard format with standard content.
Inbound document	A document that you receive from your trading partner using EDI. Also referred to as an inbound transaction.
Mapping	The process of converting information from one table structure to another. The translation software performs this process.
Outbound document	A document that you send to your trading partner using EDI. Also referred to as an outbound transaction.
Segment	A predefined set of functionally related data elements.
Standard document	An EDI document that you exchange with your trading partner, such as a purchase order or sales order. Also called a transaction set in the ANSI ASC X12 or a message in the EDIFACT EDI standards.
Trading partner	A company (usually a customer or supplier) with whom you exchange EDI documents.
Translator software	The software that converts data from an application table format to an EDI Standard format, and from EDI Standard Format to application table format. The data is exchanged in an EDI Standard format, such as ANSI ASC X12, EDIFACT, UCS, or WINS.

EDI Standards

To exchange documents with trading partners, you must convert the data to and from EDI Standard formats. EDI standards are the requirements for the format and content of EDI business documents. EDI standards determine the correct order and location of the units of data in an EDI document. All EDI transactions are defined by EDI standards.

EDI standards developers design and publish EDI Standard formats for various kinds of documents, such as purchase orders or invoices, that you might exchange with your trading partners.

All EDI standards include the following components:

Element	The smallest component in an EDI Standard.
Segments	Groups of elements.
Transaction sets	Also called messages, transaction sets are groups of segments.

EDI Standard format is comparable to the language that you speak. For instance, an element of the EDI Standard can be compared to a word. A segment in the EDI Standard is comparable to a sentence. A transaction set in the EDI Standard is comparable to a paragraph or a document. In the EDI Standard, just as in the language that you speak, elements (or words) are combined to form a segment (or a sentence). Segments (or sentences) are combined to create a Transaction set (or paragraph or document).

Two commonly used EDI standards are:

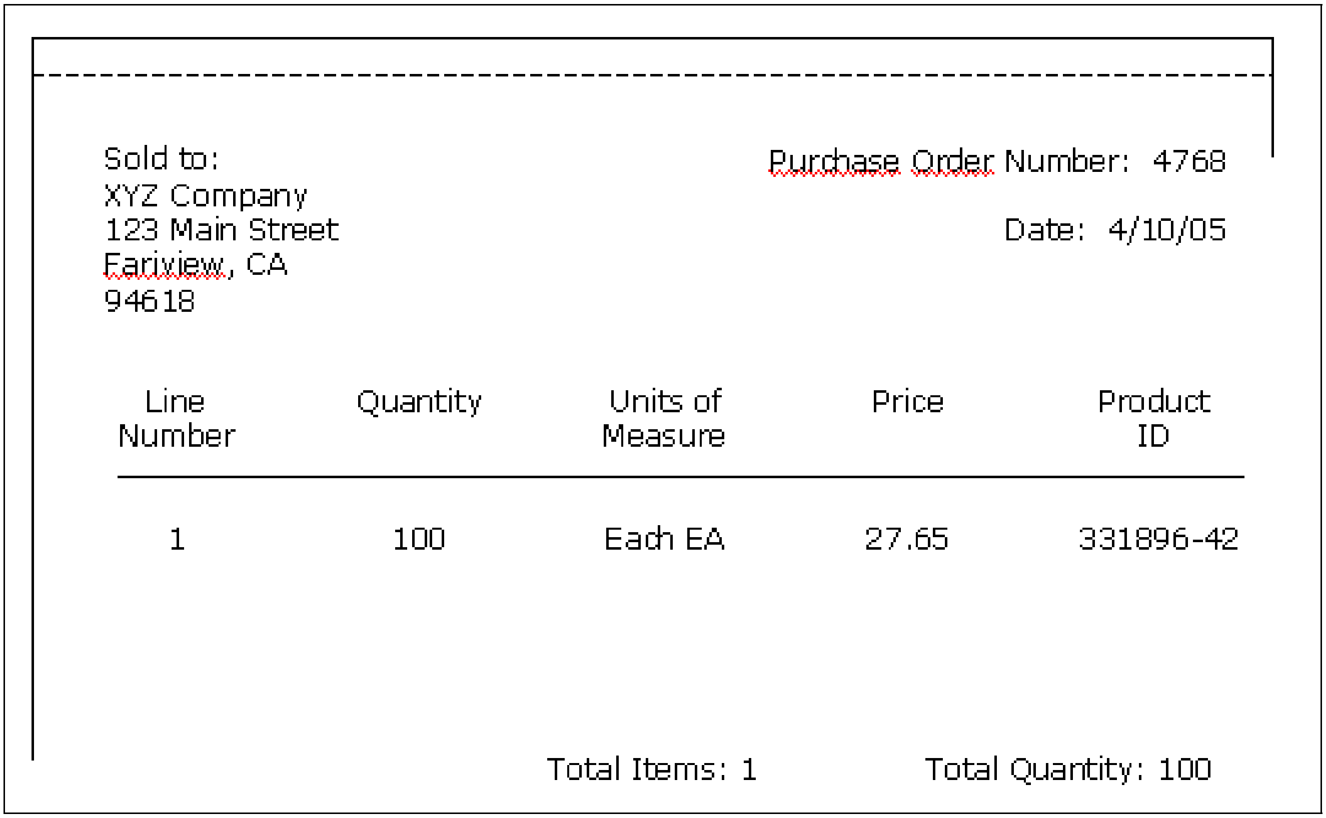
- EDI for Administration, Commerce, and Transport (EDIFACT) - generic international.
- American National Standards Institute/Accredited Standards Committee X12 (ANSI ASC X12) - generic.

Both ANSI ASC X12 and EDIFACT also contain subgroups, including:

- Automotive Industry Action Group (AIAG).
- Chemical Industry Data Exchange (CIDX).
- Electronics Industry Data Exchange (EIDX).
- Voluntary Interindustry Communications Standards (VICS).
- Textile/Apparel Manufacturing Communications (TAMCS).
- Sundries and Apparel Findings Linkage Council (SAFLINC).
- U.S. government.

Paper Documents Compared with EDI Standard Documents

Information from a paper document corresponds to information in an EDI Standard document. The following example illustrates a paper purchase order:


Sold to:
XYZ Company
123 Main Street
Fariview, CA
94618

Purchase Order Number: 4768

Date: 4/10/05

Line Number	Quantity	Units of Measure	Price	Product ID
1	100	Each EA	27.65	331896-42

Total Items: 1 Total Quantity: 100

Paper document

This example illustrates the same purchase order in EDI Standard format:

```
ST*850*1001 □
BEG*00*SA*4768*65*050410 □
N1*123 MAIN STREET □
N4*FAIRVIEW*CA*94618 □
PO1*1*100*EA*27.65**VN*331896-42 □
CTT*1*100 □
SE*8*1001 □

Legend:
ST*Transaction Set ID*Transaction Set Control Number
BEG*Transaction Set Purpose*Purchase Order Date
Number*Release Number*Purchase Order Date
N1*Name Type*Name
N3*Address
N4*City*State*Zip Code
P01*Line Number*Quantity Ordered*Unit of Measure*Price*Price
Basis*Product ID
Qualifier*Product ID
CTT*Number of Line Items*Hash Total
SE*Number of Included Segments*Transaction Set Control Number
```

EDI Standard format

PeopleSoft Supported EDI Transactions

This table summarizes the EDI inbound or outbound transactions, their associated technologies, related applications, application-specific PeopleBook information, and application messaging setup information:

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Advanced Shipping Notice (X.12 856)	Outbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Creating Shipping Documentation”. See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Understanding Order Fulfillment Processing,” EIPs for Fulfillment Transactions.	File Layout Definition: ADVANCED_SHIPPING_ NOTICE Message Name: ADVANCED_ SHIPPING_NOTICE Channel Name: ADVANCED_ SHIPPING_NOTICE Subscription Name: N/A Batch Publish Rule: • ADVANCED_SHIPPING_ NOTICE • ASN_SETID_SHIPTO • ASN_SETID_SOLDTO File Rule: N/A
Advanced Shipping Receipt (X.12 856)	Inbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, “Receiving Shipments”. See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, “Using Messaging”.	File Layout Definition: ADVANCED_SHIPPING_ RECEIPT Message Name: ADVANCED_ SHIPPING_RECEIPT Channel Name: ADVANCED_ SHIPPING_NOTICE Subscription Name: AdvancedShippingReceipt Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Billing Invoice (X.12 810)	Outbound	Application message Flat file (FLO)	Billing	See *PeopleSoft Enterprise Billing 8.9 PeopleBook*, “Processing EDI Transactions in PeopleSoft Billing”.	File Layout Definition: BILLING_INVOICE_NOTICE Message Name: BILLING_ INVOICE_NOTICE Channel Name: BILLING_ INVOICE Subscription Name: N/A Batch Publish Rule: BILLING_INVOICE_NOTICE File Rule: N/A
Interunit Expected Receipt (X.12 943)	Outbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Understanding Order Fulfillment Processing,” EIPs for Fulfillment Transactions. See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, “Understanding Warehouse Management Systems”.	File Layout Definition: INTERUNIT_EXPECTED_ RECEIPT Message Name: INTERUNIT_E XPECTED_RECEIPT Channel Name: INTERUNIT_E XPECTED_RECEIPT Subscription Name: N/A Batch Publish Rule: INTERUNIT_EXPECTED_ RECEIPT File Rule: N/A

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Interunit Receipt (X.12 944)	Inbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Receiving and Putting Away Stock”. See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, “Integrating to Warehouse Management Systems”.	File Layout Definition: INTERUNIT_RECEIPT Message Name: INTERUNIT_ RECEIPT Channel Name: INTERUNIT_ RECEIPT Subscription Name: InterunitReceipt Batch Publish Rule: N/A File Rule: • SCM_INBOUND_EDI • Electronic Data Collection Feature Data Rules
Inventory Adjustment (X.12 947)	Inbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Making Stock Quantity Adjustments and Transfers Within the Business Unit”. See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, “Integrating to Warehouse Management Systems”.	File Layout Definition: INVENTORY_ADJUSTMENT Message Name: INVENTORY_ ADJUSTMENT Channel Name: INVENTORY_ MANAGEMENT Subscription Name: InventoryAdjustment Batch Publish Rule: N/A File Rule: • SCM_INBOUND_EDI • Electronic Data Collection Feature Data Rules

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Inventory Balance Notification (X.12 846)	Outbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Understanding Order Fulfillment Processing,” EIPs for Fulfillment Transactions. See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, “Managing Consigned Purchases Inventory”.	File Layout Definition: • INV_BAL_NOTIF_BUS_UNIT • INV_BAL_NOTIF_VENDOR Message Name: • INV_BAL_NOTIF_BUS_UNIT • INV_BAL_NOTIF_VENDOR Channel Name: INV_BALANCE_NOTIFICATION Subscription Name: N/A Batch Publish Rule: • INV_BAL_NOTIF_BUS_UNIT • INV_BAL_NOTIF_VENDOR File Rule: N/A
Item Price List (X.12 832)	Inbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Managing Items 8.9 PeopleBook*, “Loading Items,” Understanding Item Price List and Item Master Enterprise Integration Points.	File Layout Definition: ITEM_PRICELIST_LOAD Message Name: ITEM_PRICELIST_LOAD Channel Name: ITEM_CATALOG_PRICE Subscription Name: ItemPriceListLoad Batch Publish Rule: N/A File Rule: SCM_INBOUND_EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Payments (X.12 820)	Inbound	Application message Flat file (FLO)	Receivables	See *PeopleSoft Enterprise Receivables 8.9 PeopleBook*, "Receiving Payments Electronically".	File Layout Definition: PAYMENT_LOAD Message Name: PAYMENT_ LOAD Channel Name: PAY_AND_ REMIT Subscription Name: PaymentLoad Batch Publish Rule: N/A File Rule: N/A
Payments (X.12 820)	Outbound	EDI Manager	Payables	See *PeopleSoft Enterprise Payables 8.9 PeopleBook*, "Processing Batch Vouchers".	N/A
Price Sales Catalog (X.12 832)	Outbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*.	File Layout Definition: PRODUCT_PRICELIST_SYNC Message Name: PRODUCT_ PRICELIST_SYNC Channel Name: N/A Subscription Name: N/A Batch Publish Rule: PRODUCT_PRICELIST_ CUSTOMER_ID File Rule: N/A

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Purchase Order Acknowledgement and Purchase Order Change Acknowledgement (X.12 855, 865)	Inbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, “Using Messaging”.	File Layout Definition: PURCHASE_ORDER_ ACKNOWLEDGEMENT Message Name: PURCHASE_ORDER_ ACKNOWLEDGEMENT Channel Name: PURCHASE_ ORDER Subscription Name: PurchaseOrderAcknowledgement Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI
Purchase Order and Purchase Order Change (X.12 850, 860)	Outbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, “Using Messaging”.	File Layout Definition: PURCHASE_ORDER_ DISPATCH Message Name: PURCHASE_ ORDER_DISPATCH Channel Name: PURCHASE_ ORDER Subscription Name: N/A Batch Publish Rule: PURCHASE_ORDER_ DISPATCH_BU File Rule: N/A

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Request for Quote (X.12 840)	Outbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, "Using Messaging".	File Layout Definition: PO_REQUEST_FOR_QUOTE Message Name: PO_ REQUEST_FOR_QUOTE Channel Name: PO_REQUEST_ FOR_QUOTE Subscription Name: N/A Batch Publish Rule: PO_ REQUEST_FOR_QUOTE_BU File Rule: N/A
Request for Quote Response (X.12 843)	Inbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, "Using Messaging".	File Layout Definition: PO_REQUEST_FOR_QUOTE_ RESPONSE Message Name: PO_ REQUEST_FOR_QUOTE_ RESPONSE Channel Name: PO_REQUEST_ FOR_QUOTE Subscription Name: PoRequestForQuoteResponse Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Return to Vendor (X.12 180)	Outbound	Application message Flat file (FLO)	Purchasing	See *PeopleSoft Enterprise Purchasing 8.9 PeopleBook*, “Using Messaging”.	File Layout Definition: RETURN_TO_VENDOR Message Name: RETURN_TO_VENDOR Channel Name: RETURN_TO_VENDOR Subscription Name: N/A Batch Publish Rule: • RETURN_TO_VENDOR_BU • RETURN_TO_VENDOR_VENDOR File Rule: N/A
Sales Order (X.12 850)	Inbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, “Using Sales Order and Quotation Messages”.	File Layout Definition: SALES_ORDER_LOAD Message Name: SALES_ORDER_LOAD Channel Name: SALES_ORDER_LOAD Subscription Name: SalesOrderLoad Batch Publish Rule: N/A File Rule: SCM_INBOUND_EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Sales Order Acknowledgement (X.12 855)	Outbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, "Using Sales Order and Quotation Messages".	File Layout Definition: SALES_ORDER_ ACKNOWLEDGEMENT Message Name: SALES_ORDER_ ACKNOWLEDGEMENT Channel Name: SALES_ORDER_ ACKNOWLEDGEMENT Subscription Name: N/A Batch Publish Rule: SALES_ORDER_ACK_ CUSTOMER_ID File Rule: N/A
Sales Order Change (X.12 860)	Inbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, "Using Sales Order and Quotation Messages".	File Layout Definition: SALES_ ORDER_CHANGE_LOAD Message Name: SALES_ ORDER_CHANGE_LOAD Channel Name: SALES_ ORDER_CHANGE_LOAD Subscription Name: SalesOrderChangeLoad Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Sales Order Change Acknowledgement (X.12 865)	Outbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, “Using Sales Order and Quotation Messages”.	File Layout Definition: SALES_ ORDER_CHANGE_NOTICE Message Name: SALES_ ORDER_CHANGE_NOTICE Channel Name: SALES_ ORDER_CHANGE_NOTICE Subscription Name: N/A Batch Publish Rule: SALES_ORDER_CHG_ CUSTOMER_ID File Rule: N/A
Sales Quote (X.12 840)	Inbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, “Using Sales Order and Quotation Messages”.	File Layout Definition: SALES_QUOTE_LOAD Message Name: SALES_ QUOTE_LOAD Channel Name: SALES_ QUOTE_LOAD Subscription Name: SalesQuoteLoad Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Sales Quote Acknowledgement (X.12 845)	Outbound	Application message Flat file (FLO)	Order Management	See *PeopleSoft Enterprise Order Management 8.9 PeopleBook*, "Using Sales Order and Quotation Messages".	File Layout Definition: SALES_QUOTE_NOTICE Message Name: SALES_ QUOTE_NOTICE Channel Name: SALES_ QUOTE_NOTICE Subscription Name: N/A Batch Publish Rule: SALES_QUOTE_NOTICE_ CUSTOMER_ID File Rule: N/A
Shipping Notification (X.12 945)	Inbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, "Understanding Order Fulfillment Processing," EIPs for Fulfillment Transactions. See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, "Integrating to Warehouse Management Systems".	File Layout Definition: SHIPPING_NOTIFICATION Message Name: SHIPPING_ NOTIFICATION Channel Name: SHIPPING_ NOTIFICATION Subscription Name: ShippingNotification Batch Publish Rule: N/A File Rule: SCM_INBOUND_ EDI

EDI Transaction	Inbound or Outbound	Technology	PeopleSoft Application	PeopleBook Reference (Application Setup)	Application Messaging Information
Shipping Order Release (X.12 940)	Outbound	Application message Flat file (FLO)	Inventory	See *PeopleSoft Enterprise Inventory 8.9 PeopleBook*, "Understanding Order Fulfillment Processing," EIPs for Fulfillment Transactions. See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, "Integrating to Warehouse Management Systems".	File Layout Definition: SHIPPING_ORDER_RELEASE Message Name: SHIPPING_ ORDER_RELEASE Channel Name: SHIPPING_ ORDER_RELEASE Subscription Name: N/A Batch Publish Rule: SHIPPING_ORDER_RELEASE File Rule: N/A
Vouchers (X.12 810)	Inbound	Application message Flat file (FLO)	Payables	See *PeopleSoft Enterprise Payables 8.9 PeopleBook*, "Processing Batch Vouchers".	File Layout Definition: VOUCHER_BUILD Message Name: VOUCHER_ BUILD Channel Name: VOUCHER Subscription Name: VOUCHER Batch Publish Rule: N/A File Rule: None

CHAPTER 3

Using Electronic Data Interchange Messaging in PeopleSoft 8.x

This chapter provides an overview of EDI Messaging in PeopleSoft 8.x, and discusses how to:

- Set up EDI Messaging using flat files in PeopleSoft 8.x.
- Set up EDI Messaging using XML Messaging in PeopleSoft 8.4.
- Process error handling in PeopleSoft 8.x.

Understanding Electronic Data Interchange Messaging in PeopleSoft 8.x

In PeopleSoft 8.x, you process EDI transactions using application messaging, which offers a more automated, timely, and efficient way to send data across systems than was previously available. The publish and subscribe architecture of the PeopleSoft application messaging technologies enables more zero-latency data transmittal, direct business-to-business communication, and Extensible Markup Language (XML) adoption.

In PeopleSoft 8.x, you can process EDI transactions using flat files or using XML messaging.

This section provides an overview for:

- PeopleSoft 8.x inbound and outbound flat file EDI transaction processes.
- PeopleSoft 8.x inbound and outbound XML messaging EDI transaction processes.

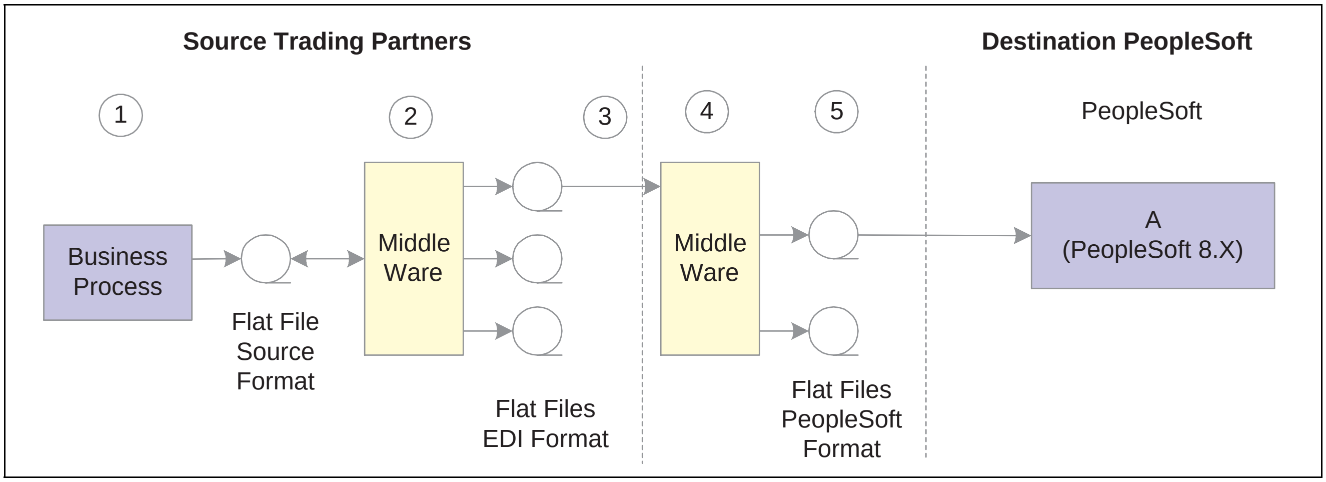
Understanding PeopleSoft 8.x Inbound and Outbound Flat File EDI Transaction Processes

This overview section provides information about:

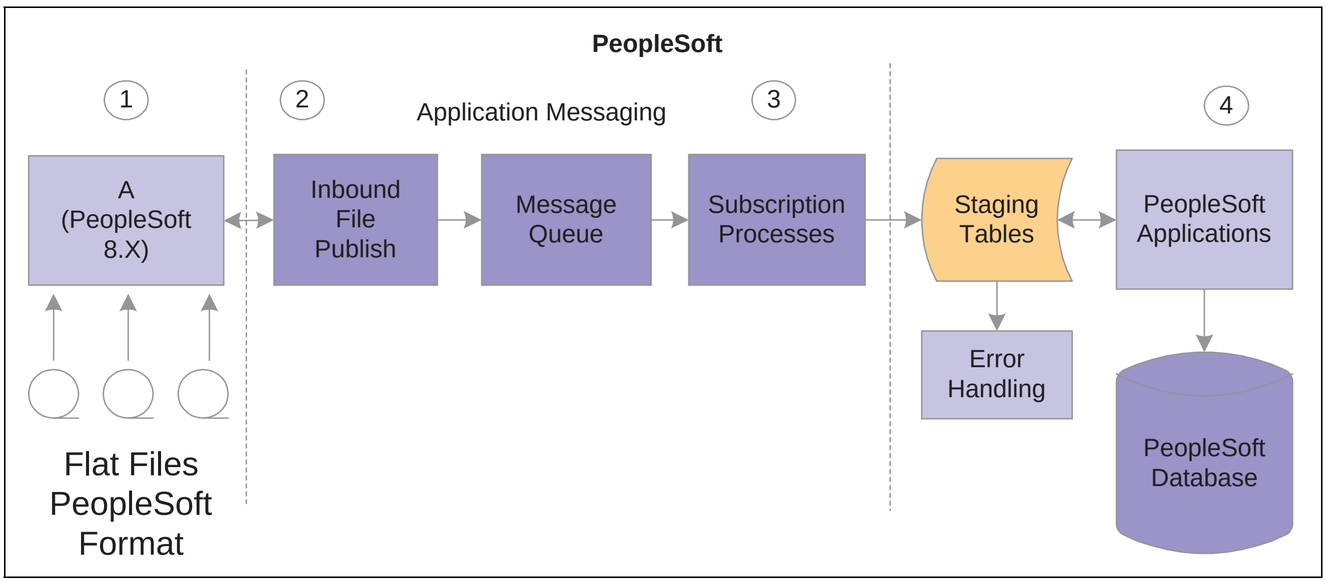
- PeopleSoft 8.x inbound flat file EDI transactions.
- PeopleSoft 8.x outbound flat file EDI transactions.

Processing Inbound Flat File EDI Transactions in PeopleSoft 8.x

The following diagrams illustrate the PeopleSoft 8.x inbound flat file EDI transaction process:



Inbound Flat File EDI Transaction Process for PeopleSoft 8.x (1 of 2)



Inbound Flat File EDI Transaction Process for PeopleSoft 8.x (2 of 2)

To process inbound flat file EDI transactions in PeopleSoft 8.x:

1. The source trading partner initiates a process that generates a flat file containing EDI transactions in the sources format.
2. The file is passed to a middleware translation tool that generates an outbound file in the appropriate EDI format (X.12, EDIFACT, etc).

   Depending on the relationship with various trading partners' data mapping, transformations may occur at this point to meet trading partner-specific mapping requirements. The formatted file is then sent on to the source trading partner's VAN—a private network used for exchanging EDI transactions. However, networks can also be the Internet, a dedicated link, or a sole-source provider.
3. The source trading partner's VAN distributes the flat file to the destination trading partner's VAN.

   The source trading partner and destination trading partner can use the same VAN.
4. The destination trading partner receives the flat file from the VAN.

A middleware tool is used to convert the source file into the appropriate PeopleSoft Business Document file format. This process includes a conversion from the sources EDI format (X.12, EDIFACT, etc). Additional translation requirements may be required if the source trading partner is sending a generic file that does not meet the destination trading partner's data requirements.

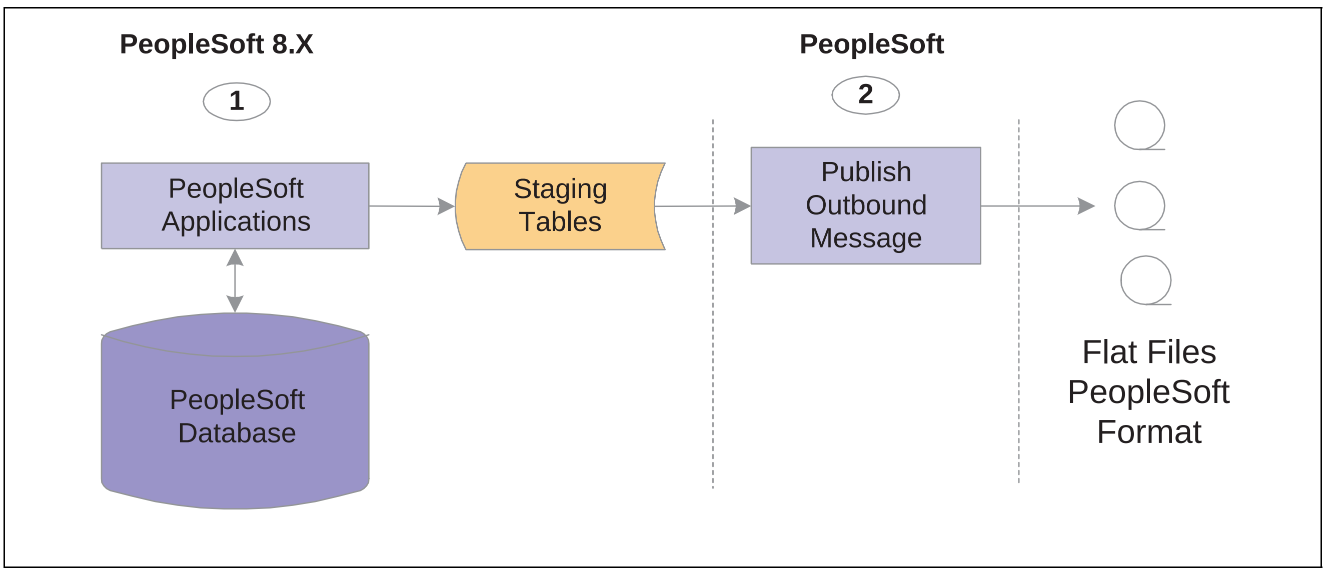
5. The destination trading partner performs the Inbound File Publish process that changes the flat file transactions to application messages and then writes them to a message queue.

   The Inbound File Publish process inputs the electronic data flat file, translates the data using the PeopleSoft File Layout Definition and rules, and then publishes an application message.

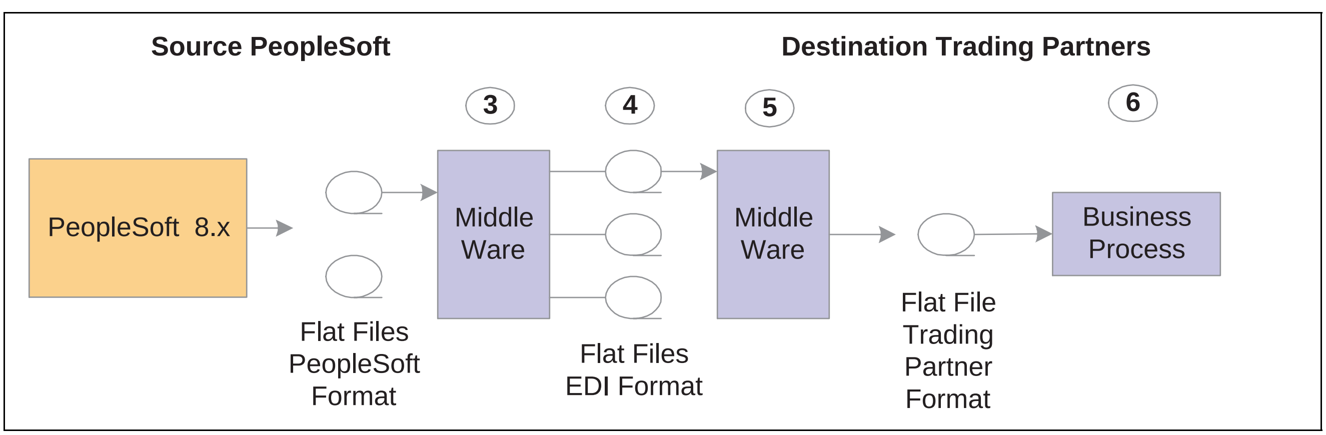
6. PeopleSoft Application Messaging subscription processes are automatically executed that retrieve the application messages from the message queue and then load the information into staging tables.
7. PeopleSoft applications initiate processes that read the transactions from the staging tables, perform validations, and load the data to the actual PeopleSoft application database tables.
8. If any errors are found in the transactions, use error handling to fix the errors and to resubmit the transactions.

Processing Outbound Flat File EDI Transactions in PeopleSoft 8.x

The following diagrams illustrate the PeopleSoft 8.x outbound flat file EDI transaction process:



Outbound Flat File EDI Transaction Processing PeopleSoft 8.x (1 of 2)



Outbound Flat File EDI Transaction Process for PeopleSoft 8.x (2 of 2)

To process outbound flat file EDI transactions in PeopleSoft 8.x:

1. The source trading partner initiates a PeopleSoft application process that retrieves the transactional data from the PeopleSoft application database tables and loads those EDI transactions into PeopleSoft staging tables, or prepares the data so it can be picked up by the Publish Outbound Message process.
2. The source trading partner performs the Publish Outbound Message process that retrieves the transactions from the staging tables or application tables and creates a flat file.

   The Outbound File Publish process reads the staging tables, translates the data using the PeopleSoft File Layout Definition and rules, and generates a flat file. The flat file is then sent to the VAN.
3. The source trading partner's VAN distributes the flat file to the destination trading partner's VAN.
4. The destination trading partner receives the flat file from the VAN.

   A middleware tool is used to convert the source file into the format required for the destination trading partner's business application software.
5. The destination trading partner loads the flat file into its business application system.

Understanding PeopleSoft 8.x Inbound and Outbound XML Messaging EDI Transaction Processes

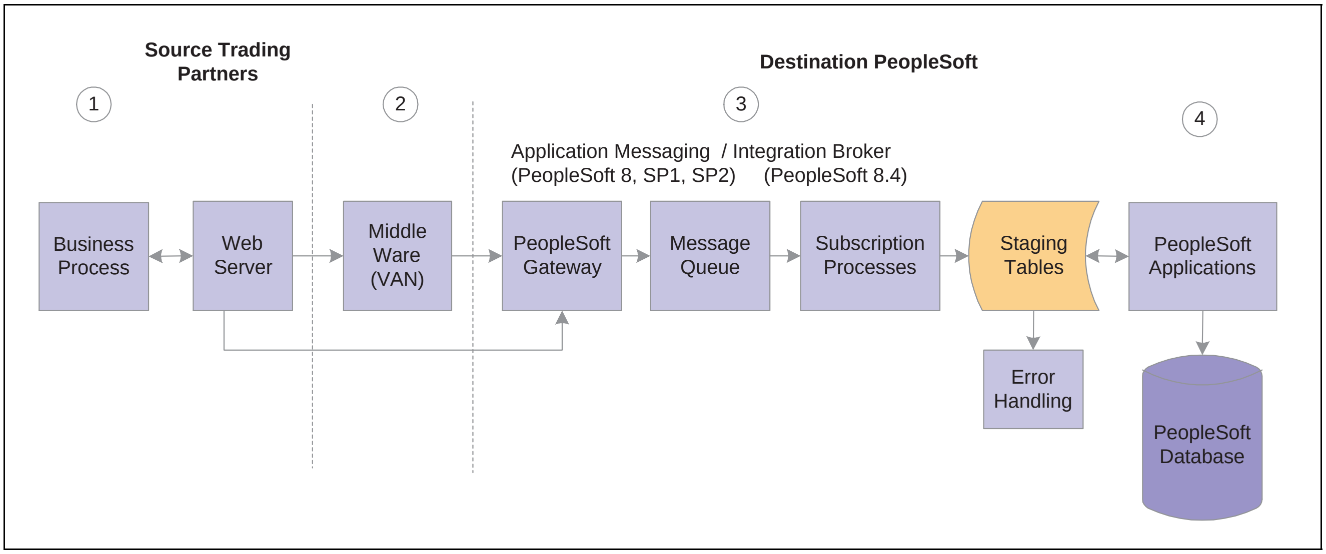
In a perfect world, the source trading partner and the destination trading partner would use the exact same format for the XML messages (EDI transactions) that they exchange between themselves, whether the messages are inbound or outbound. In this case, no mapping of the XML messages to the other trading partner's format would be required. XML messages would be exchanged between trading partners utilizing their web servers.

In a more realistic scenario, trading partners would still use XML messages to exchange information between each other, but one side would have to perform a transformation of the XML messages using their middleware product, such as that traditionally provided by VANs or, starting with PeopleSoft 8.4, using the mapping capabilities provided with the PeopleSoft Integration Broker.

In either of the scenarios above, the processing of EDI transactions utilizing XML messages eliminates a lot of system processing and offers a more direct exchange of information. The XML message method provides for quicker turn around of information between trading partners and reduces logistics and control issues inherent in flat file processing.

Processing Inbound XML Messaging EDI Transactions in PeopleSoft 8.x

The following diagram illustrates the PeopleSoft 8.x inbound XML Messaging EDI transaction process:



XML Messaging EDI inbound transaction process

To process inbound transactions:

1. The source trading partner publishes a message.

   If one of the industry standard connectors compatible with PeopleSoft's Application Messaging Gateway (Integration Broker in 8.4) is being used and the XML message is compatible with PeopleSoft's XML format, then it may be sent directly from the source site's gateway to the destination's (PeopleSoft system) gateway. If a compatible connector is not available then communications must be made using a middleware vendor that provides this connector. Also, if the message is not in PeopleSoft's XML format a transformation (data mapping) to PeopleSoft's XML format must be made either at the source site or at the destinations site.

   Note. Transformations to and from the trading partner formats can be performed using the PeopleSoft Integration Broker.

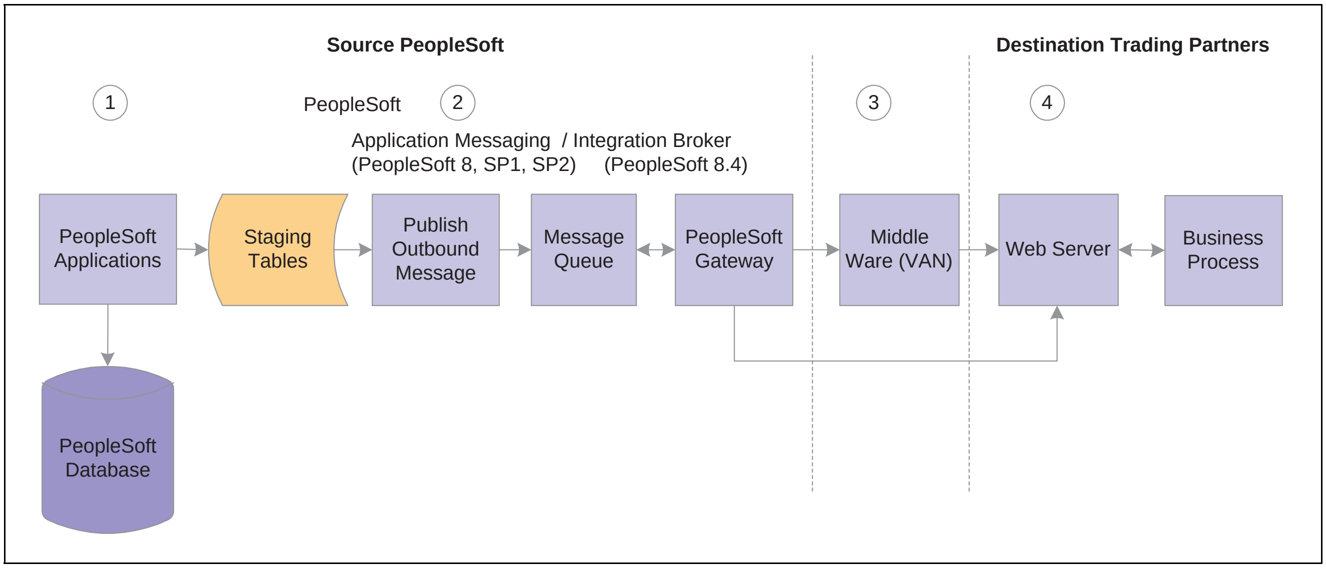
2. If a middleware transformation is being performed, transform the source XML format to the destination PeopleSoft systems XML format.

   Note. Many middleware products can convert from standard EDI formats (X.12 or EDIFACT) to XML and then post XML message to the PeopleSoft system. When using these products you can still eliminate the use of flat files coming in and out of the PeopleSoft system even when working with trading partners that are not ready to move to the new technology. When utilizing this approach flat files would still be used between the middleware product and the trading partner.

3. Post message to PeopleSoft Integration Broker—transaction is posted to the PeopleSoft gateway. PeopleSoft subscription processes are automatically executed that retrieve the application messages from the message queue and then load the information into staging tables.
4. Different PeopleSoft applications initiate processes that read the transactions from the staging tables and load the data to the actual PeopleSoft application database tables.

Processing Outbound XML Messaging EDI Transactions in PeopleSoft 8.x

The following diagram illustrates the PeopleSoft 8.x outbound XML Messaging EDI transaction process:



XML Messaging EDI outbound transaction process

To process outbound XML Messaging EDI transactions in PeopleSoft 8.x:

1. The source trading partner initiates a PeopleSoft application process that retrieves the transactional data from the PeopleSoft application database tables and loads those EDI transactions into PeopleSoft staging tables, or prepares the data so it can be picked up by the Publish Outbound Message process.
2. The source trading partner performs the Publish Outbound Message process that retrieves the transactions from the staging tables or application tables and publishes a message.

   If one of the industry standard connectors compatible with PeopleSoft's Application Messaging Gateway (Integration Broker in 8.4) is being used and the destinations XML format is compatible with PeopleSoft's XML format then it may be sent directly from the source site to the destination's gateway. If a compatible connector is not available then communications must be made using a middleware vendor that provides this connector. Also, if the message is not in PeopleSoft's XML format a transformation (data mapping) "from" PeopleSoft's XML format must be made either at the source site, a middleware site or at the destinations site.

   Note. Using PeopleSoft 8.4, transformations to and from the trading partner formats can be performed using the Integration Broker. In this situation the Integration Broker can perform the transformation and then with the correct connector can post directly to the destination trading partner's system.

3. If a middleware transformation is being performed, transform the PeopleSoft XML format to the destination's XML format.

   Note. Many middleware products can convert from the PeopleSoft XML format to standard EDI formats (X.12 or EDIFACT) required by trading partners. When using these products you can still eliminate the use of flat files coming in and out of the PeopleSoft system even when working with trading partners that are not ready to move to the new technology. When utilizing this approach flat files would still be used between the middleware product, VAN and the trading partner.

4. If a middleware connector is required the middleware product will post to the destinations gateway or will create a flat file to be received by the trading partner through their VAN.

Note. See PeopleTools documentation for information about PeopleSoft message formats, PeopleSoft listening formats, and PeopleSoft target formats.

Setting Up EDI Messaging Using Flat Files with PeopleTools 8.1

This section discusses how to:

- Set up EDI transactions using flat files for inbound publishing using PeopleTools 8.1.
- Set up EDI transactions using flat files for outbound publishing using PeopleTools 8.1.

Setting Up EDI Transactions Using Flat Files for Inbound Publishing Using PeopleSoft Tools 8.1

To set up an EDI transaction using flat files for inbound publishing:

1. If trading partner is not delivering data in PeopleSoft's business document file format, set up mapping software to transform the trading partner's format to a PeopleSoft format.

   For a definition of PeopleSoft's business document file format, obtain the file layout for the EDI transaction. For information about obtaining the file layouts, see Obtaining File Layouts, which appears later in this document.

   For the appropriate file layout definition for each transaction, refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section.

2. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.

3. Perform Application Messaging setup.

   You must set up nodes, channels, messages, and subscription processes before you can begin processing inbound transactions.

   a. Set up nodes.

      For inbound transactions using flat files you need the local node only. The local node (PSFT_EP) is packaged with initial delivery of the system. Unless you are changing the local node, no additional node setup is required.

   b. Activate messages.

      PeopleSoft provides message definitions for each EDI transaction that you must activate before use.

   c. Activate the subscription processes.

      Subscription processes are processes that are automatically executed by Application Messaging when an inbound message is received. PeopleSoft provides subscription processes for each message. You must activate the appropriate subscription process for each message.

   d. Set up channels.

      Channels provide a way to control the processing of messages. Messages are prepackaged assigned to specific channels. You must go into the channel and assign the local node with the value *Both (Publish and Subscribe)*.

      See *PeopleTools 8.14: Application Messaging,* "Developing Common Messaging Elements" and *PeopleTools 8.14: Application Messaging,* "Defining Message Channels."

4. Set up Inbound File Rule.

The Inbound File Publish process uses the inbound file rule to identify information about the source file. Most EDI transactions are already set up on the *SCM Inbound EDI* file rule. If you are processing one of these transactions, then enter the file name on the file rule and activate the file rule.

5. Set up Publish/Subscribe services on the application server.

   You do not need to set up a web server when you are working with inbound flat files only, as the Inbound File Publish process is publishing application messages to the local node.

6. When you are ready to process a trading partner's file, run the Inbound File Publish process.

   After you run the Inbound File Publish process, run the appropriate application process to validate and load the transactions.

Setting Up EDI Transactions Using Flat Files for Outbound Publishing Using PeopleTools 8.1

To set up an EDI transaction using flat files for outbound publishing:

1. If trading partner is not delivering data in a PeopleSoft business document file format, set up mapping software to transform the trading partner's format to a PeopleSoft format.

   For a definition of a PeopleSoft business document file format, obtain the file layout for the EDI transaction. For information about obtaining the file layouts, see Obtaining File Layouts, which appears later in this document.

   For the appropriate file layout definition for each transaction, refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section.

2. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.

3. Activate messages.

   PeopleSoft provides message definitions for each EDI transaction. You must activate the message in order to use it.

4. Set up Batch Publish Rules.

   The Publish Outbound Message process uses the batch publish rules to identify information about the transaction being published. Batch publish rules have been prepackaged to work with each outbound message that are initiated using the Publish Outbound Message process. You must activate these rules before you can use them. When sending transactions to a flat file, you must also set the output format to flat file on the batch publish rule.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on the names of the batch publish rules associated with outbound EDI messages.

   When using an output format of flat file on the batch publish rule, an application message is never generated—the output goes directly to a flat file. Consequently, the channel and node do not need to be set up for outbound transactions published from the Publish Outbound Message process that are going to flat files. However, you must activate the message in the Application Designer, as the system performs validations to prevent unexpected transactions from being generated.

   Note. When working with only those transactions published from the Publish Outbound Message process, where the batch publish rule is set up with an output format of flat file, you do not need to set up a web server or publish and subscribe services with an application server. These transactions are written directly to flat files and application messages are never generated.

5. When you are ready to generate EDI transactions, run the appropriate application processes.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on where to find the documentation explaining the application specific information for each EDI transaction.

See Also

For detailed instructions on setting up nodes, messages, subscription processes, and channels see PeopleSoft Enterprise Integration PeopleBook, “Setting Up Application Messaging EIPs,” Activating an Application Message.

For names of messages, subscription processes, and channels for specific EDI transactions see the Reviewing PeopleSoft Supported EDI Transactions section in this document.

For more information on inbound file rules, see PeopleSoft Enterprise Integration PeopleBook, “Introducing the Flat File Utility.”

For more information on setting up the Publish/Subscribe Services see, the PeopleTools Application Messaging PeopleBook.

For more information on the Inbound File Publish process, see PeopleSoft Enterprise Integration PeopleBook, “Introducing the Flat File Utility.”

For more information on the application processes that validate and load each of the EDI transactions, see the Reviewing PeopleSoft Supported EDI Transactions section in this document.

For detailed instructions on how to activate a message see PeopleSoft Enterprise Integration PeopleBook, “Setting Up Application Messaging EIPs,” Activating an Application Message. For names of messages for specific EDI transactions see the Reviewing PeopleSoft Supported EDI Transactions section in this document.

For more information on the Batch Publish Rules, see PeopleSoft Enterprise Integration PeopleBook, “Introducing the Full/Batch Publish Utility.”

Setting Up EDI Transactions Using XML Messaging With PeopleTools 8.1

This section discusses how to set up EDI transactions using XML Messages with PeopleSoft Tools 8.1.

To set up an EDI transaction using XML messaging with PeopleTools 8.1:

1. If trading partner is not delivering data in a PeopleSoft XML format, then set up mapping software to transform the trading partner’s format to a PeopleSoft format.
2. Identify the connector to use when communicating between gateways.

   If you use one of the industry standard connectors compatible with the PeopleSoft Application Messaging Gateway, then messages may be sent directly from the source site to the destination’s gateway. If a compatible connector is not available, you can develop a custom connector, or complete communications using a middleware vendor that provides this connector.
3. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.
4. Configure theApplication Messaging Gateway.

The Application Messaging Gateway serves as the gateway for all messages in and out of the PeopleSoft system. For any node to publish a message to a PeopleSoft or non-PeopleSoft node, a web server running the gateway must be involved. You need to configure at least one Application Messaging Gateway per system.

5. Perform Application Messaging setup.

   You must set up nodes, channels, and messages before you can begin processing inbound or outbound transactions. You must set up subscription processes before you can begin processing inbound transactions.

   a. Set up nodes.

      You must set up a node for each destination gateway that will be addressed when sending out messages or for each source gateway that will be sending messages. If communications are all going in and out of a single middleware system, then you are only required to set up one node. If messages are to be sent directly to a trading partner from the PeopleSoft system, you must set up a separate node for each trading partner.

   b. Activate messages.

      PeopleSoft provides message definitions for each EDI transaction. You must activate the message in order to use it.

   c. Activate the subscription processes.

      Subscription processes are processes that are automatically executed by Application Messaging when an inbound message is received. PeopleSoft provides subscription processes for each message. You must activate the appropriate subscription process for each message.

   d. Set up channels for databases.

      Channels provide a way to control the processing of messages. Messages are prepackaged and assigned to specific channels. You must access the channel and assign the appropriate node with a Routing Direction of *Subscribe* for inbound transactions and *Publish* for outbound transactions.

6. Set up Batch Publish Rules for outbound messages.

   The Publish Outbound Message process uses the batch publish rules to identify information about the transaction being published. Batch publish rules have been prepackaged to work with each outbound message that you initiate using the Publish Outbound Message process. You must activate these rules before you can use them. When sending transactions using XML, set the output format to *XML* on the batch publish rule.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.

   Note. Batch Publish Rules optionally use a feature called chunking, which enables you to break up messages based on unique field values within a message. For example, if you were sending purchase orders directly to a trading partner without going through a middleware system (VAN), you must ensure that only that Vendor's transactions were included on the message sent to that trading partner. If you were not using chunking, and you had separate nodes set up for each of your trading partners, then every transaction would go to every trading partner. Chunking provides a mechanism to ensure that messages contain only information for a single trading partner and enables that message to be routed to the node of a specific trading partner.

   When using a single middleware product (VAN), you use a single node to identify that product's destination URL; in this scenario, chunking is not required. In this case, all trading partner transactions can go on a single message as the segregation and routing of the message by trading partner is performed by the middleware product.

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7. Set up Publish and Subscribe services on the Application Server.

Setting Up EDI Messaging Using Flat Files With PeopleTools 8.4

This section discusses how to:

- Set up EDI transactions using flat files for inbound publishing using PeopleTools 8.4.
- Set up EDI transactions using flat files for outbound publishing using PeopleTools 8.4.

Setting Up EDI Transactions Using Flat Files for Inbound Publishing Using PeopleTools 8.4.

To set up an EDI transaction using flat files for inbound publishing with PeopleTools 8.4:

1. If trading partner is not delivering data in PeopleSoft's business document file format, set up mapping software to transform the trading partner's format to a PeopleSoft format.

   For a definition of PeopleSoft's business document file format, obtain the file layout for the EDI transaction. For information about obtaining the file layouts, see Obtaining File Layouts, which appears later in this document.

   For the appropriate file layout definition for each transaction, refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section.
2. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.
3. Perform Application Messaging setup.

   You must set up nodes, messages, and subscription processes before you can begin processing inbound transactions.

   a. Set up nodes.

      For inbound transactions using flat files you need the local node only. The local node (PSFT_EP) is packaged with initial delivery of the system. Unless you are changing the local node, no additional node setup is required.

   b. Activate messages.

      PeopleSoft provides message definitions for each EDI transaction that you must activate before use.

   c. Activate the subscription processes.

      Subscription processes are processes that are automatically executed by Application Messaging when an inbound message is received. PeopleSoft provides subscription processes for each message. You must activate the appropriate subscription process for each message.
4. Set up Inbound File Rule.

   The Inbound File Publish process uses the inbound file rule to identify information about the source file. Most EDI transactions are already set up on the *SCM Inbound EDI* file rule. If you are processing one of these transactions, then enter the file name on the file rule and activate the file rule.
5. Set up Publish/Subscribe services on the application server.

   You do not need to set up a web server when you are working with inbound flat files only, as the Inbound File Publish process is publishing application messages to the local node.
6. When you are ready to process a trading partner's file, run the Inbound File Publish process.

After you run the Inbound File Publish process, run the appropriate application process to validate and load the transactions.

Setting Up EDI Transactions Using Flat Files for Outbound Publishing Using PeopleTools 8.4.

To set up an EDI transaction using flat files for outbound publishing with PeopleTools 8.4:

1. If trading partner is not delivering data in a PeopleSoft business document file format, set up mapping software to transform the trading partner's format to a PeopleSoft format.

   For a definition of a PeopleSoft business document file format, obtain the file layout for the EDI transaction. For information about obtaining the file layouts, see Obtaining File Layouts, which appears later in this document.

   For the appropriate file layout definition for each transaction, refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section.

2. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.

3. Activate messages.

   PeopleSoft provides message definitions for each EDI transaction. You must activate the message in order to use it.

4. Set up Batch Publish Rules.

   The Publish Outbound Message process uses the batch publish rules to identify information about the transaction being published. Batch publish rules have been prepackaged to work with each outbound message that are initiated using the Publish Outbound Message process. You must activate these rules before you can use them. When sending transactions to a flat file, you must also set the output format to flat file on the batch publish rule.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on the names of the batch publish rules associated with outbound EDI messages.

   When using an output format of flat file on the batch publish rule, an application message is never generated—the output goes directly to a flat file. Consequently, the channel and node do not need to be set up for outbound transactions published from the Publish Outbound Message process that are going to flat files. However, you must activate the message in the Application Designer, as the system performs validations to prevent unexpected transactions from being generated.

   Note. When working with only those transactions published from the Publish Outbound Message process, where the batch publish rule is set up with an output format of flat file, you do not need to set up a web server or publish and subscribe services with an application server. These transactions are written directly to flat files and application messages are never generated.

5. When you are ready to generate EDI transactions, run the appropriate application processes.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on where to find the documentation explaining the application specific information for each EDI transaction.

Setting Up EDI Messaging Using XML Messaging With PeopleTools 8.4

To set up an EDI transaction using XML messaging:

1. If trading partner is not delivering data in a PeopleSoft XML format, then set up mapping software to transform the trading partner's format to a PeopleSoft format.
2. Identify the connector to use when communicating between gateways.

   If you use one of the industry standard connectors compatible with Integration Broker, then messages may be sent directly from the source site to the destination's gateway. If a compatible connector is not available, you can develop a custom connector, or complete communications using a middleware vendor that provides this connector.
3. Perform application specific setup.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.
4. Configure the Integration Gateway.

   Use the Integration Gateway as the gateway for all messages in and out of the PeopleSoft system. Detailed definitions and setup information can be found in the PeopleTools Integration Broker PeopleBook.
5. Perform Application Messaging setup.

   You must set up nodes, channels, and messages before you can begin processing inbound or outbound transactions. You must set up subscription processes before you can begin processing inbound transactions.

   a. Set up nodes.

      You must set up a node for each destination gateway that will be addressed when sending out messages or for each source gateway that will be sending messages. If communications are all going in and out of a single middleware system, then you are only required to set up one node. If messages are to be sent directly to a trading partner from the PeopleSoft system, you must set up a separate node for each trading partner.

      For PeopleSoft 8.4 sites, a transaction must also be set up for each message for each node that is to send or receive that message. Example transaction definitions have been prepackaged on the local node (PSFT_EP) for reference.

   b. Activate messages.

      PeopleSoft provides message definitions for each EDI transaction. You must activate the message in order to use it.

   c. Activate the subscription processes.

      Subscription processes are processes that are automatically executed by Application Messaging when an inbound message is received. PeopleSoft provides subscription processes for each message. You must activate the appropriate subscription process for each message.
6. Set up Batch Publish Rules for outbound messages.

   The Publish Outbound Message process uses the batch publish rules to identify information about the transaction being published. Batch publish rules have been prepackaged to work with each outbound message that you initiate using the Publish Outbound Message process. You must activate these rules before you can use them. When sending transactions using XML, set the output format to *XML* on the batch publish rule.

   Refer to the table in the Reviewing PeopleSoft Supported EDI Transactions section for information on locating documentation explaining application-specific setup instructions for each EDI transaction.

Note. Batch Publish Rules optionally use a feature called chunking, which enables you to break up messages based on unique field values within a message. For example, if you were sending purchase orders directly to a trading partner without going through a middleware system (VAN), you must ensure that only that Vendor's transactions were included on the message sent to that trading partner. If you were not using chunking, and you had separate nodes set up for each of your trading partners, then every transaction would go to every trading partner. Chunking provides a mechanism to ensure that messages contain only information for a single trading partner and enables that message to be routed to the node of a specific trading partner.

When using a single middleware product (VAN), you use a single node to identify that product's destination URL; in this scenario, chunking is not required. In this case, all trading partner transactions can go on a single message as the segregation and routing of the message by trading partner is performed by the middleware product.

7. Setup Publish and Subscribe services on the Application Server.

Processing Error Handling in PeopleSoft 8.x.

Most inbound transactions, no matter which technology delivers them to the PeopleSoft system, are loaded into staging tables, where they are validated by background routines scanning these transaction logs awaiting incoming work. If errors are found, the transaction status in the transaction log is changed to *Error,* and rows are inserted into error tables for each error message.

In PeopleSoft, error messages appear on the Transaction Maintenance page for transactional type data, such as inventory adjustments and purchase order receipts. To review definitional type data, such as item master and bills of material, you can use the Data Definition page correct the erroneous information.

Once you have corrected the information and saved the page, the transaction is ready to be reprocessed.

Some transactions provide functionality to immediately validate and update application tables from subscription processes. For example, the Consumer and Par Location Count transactions both attempt to update the application tables, but if errors are found, the transactions write the data to the error tables so that corrections can be made.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Enterprise Integration"

PeopleSoft Enterprise Manufacturing 8.9 PeopleBook, "Issuing Material to Production"

PeopleSoft Enterprise Manufacturing 8.9 PeopleBook, "Recording Completions and Scrap Using Electronic Data Collection"

PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook, "Managing PeopleSoft Supply Chain Management Integration Points"

CHAPTER 4

Review EDI Messaging Examples

In this chapter, we provide an overview discussion of EIP examples, and discuss how to:

- Set up the Sales Order Inbound EIP.
- Process the Sales Order Inbound EIP.
- Set up the Sales Orders Acknowledgement EIP.
- Process the Sales Orders Acknowledgement EIP.
- Set up the Purchase Order Dispatch EIP.
- Process the Purchase Order Dispatch EIP.
- Set up the Advanced Shipping Notice EIP.
- Process the Advanced Shipping Notice EIP.
- Set up the Billing Invoice EIP.
- Process the Billing Invoice EIP.
- Set up chunking.

Note. The following examples refer to PeopleSoft 8.8 applications.

Understanding EIP Examples

We are providing examples of the most commonly used SCM EIPs. EIP setup and processing is similar for EIPs of the same design pattern, so you can use this information and apply it to other EIPs.

See *PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook*, “Managing PeopleSoft Supply Chain Management Integration Points”.

EIP	Description
Sales Order	Loads sales orders.
Sales Order Acknowledgement	Sends message acknowledging receipt of sales order.
Purchase Order Dispatch	Purchase order dispatched to a vendor using the Publish Outbound Message process
Advanced Shipping Notice	Notifies customers that their sales orders have been shipped using the Publish Outbound Message process.
Billing Invoice	Invoice sent out to a customer using the Publish Outbound Message process.

Common Elements in this Chapter

Asynchronous Messages that do not require a response. These messages are sent to the destination system as one-way messages, and are used for publish and subscribe messages where there may be a lapse in time between the message being sent and received.

Batch Publish Use this design pattern to publish messages from a batch application. The batch application can be a COBOL or Structured Query Report program that takes either a procedural or set-based approach, or it can be an Application Engine set-based program.

Batch Subscribe This design pattern enables you to perform edits against messages in sets. This can be a useful technique for high volume data, including millions of inbound rows. This design pattern is useful when you know that a single message definition may contain multiple instances of a transaction, or when you must reuse an existing batch program.

Component Publish In this design pattern, the transaction or setup data that you want to send out of PeopleSoft is being updated by using a PeopleSoft component. In this case, the data is already in the component buffer, and the Publish PeopleCode function is used to publish a message.

Full Table Publish Use this design pattern to populate an entire copy of a table onto a remote database or legacy system. Generally, full data replication occurs with setup tables, or relatively static, low-volume tables that are keyed by setID. When a copy of a table exists on the remote system, incremental updates can be used.

Full Table Subscribe Use this design pattern to subscribe to messages that contain an entire copy of a table that is published from a remote database or legacy system. Generally, full data replication occurs with setup tables, or relatively static, low-volume tables that are keyed by setID. When a copy of a table exists on the remote system, incremental updates can be used.

Synchronous Occurring or existing at the same time. Used for messages that are sent out and receive an immediate response.

Setting Up the Sales Order Inbound EIP

This section discusses the Sales Order Inbound EIP.

Understanding the Sales Order Inbound EIP

The Sales Order EIP subscribes to a message that contains sales orders.

This asynchronous batch subscribe message also supports flat-file processing for EDI transaction X.12 850.

Before you can subscribe to messages with the Sales Order EIP, you must:

Type of Setup	Steps
Complete PeopleTools setup	• Activate the message (SALES_ORDER). • Define Nodes
Complete application setup	None for this message.
Enterprise Utility setup	For EDI/XML messages, confirm that the status is set to *Active* on the Inbound File page in the Inbound File Rule component.

Pages Used to Set Up the Sales Order EIP

Page Name	Object Name	Navigation	Usage
File Inbound	EO_FILE_INBOUND	Enterprise Components, Integration Definitions, Inbound File Rule	Establish inbound file rules for inbound EIPs.

Activating Messages

To activate a message for publication:

1. Open an instance of PeopleSoft Application Designer.
2. Select File, Open. The Open Object dialog box appears.
3. In the Definition drop-down menu, select *Message*, enter the message name in the Name field, and click Open. The message you specified opens.
4. Select File, Definition Properties. The Message Properties dialog box appears.
5. On the Message Properties dialog box, select the Use tab.
6. Select the Active check box to activate the message.
7. Click OK, then select File, Save to save the message.
8. Right click on the Message Subscription PeopleCode, and select Message Subscription Properties.
9. Select the Use tab.
10. Select the Active check box to activate the message subscription.
11. Click the OK button, then select File, Save to save the message.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Defining Nodes

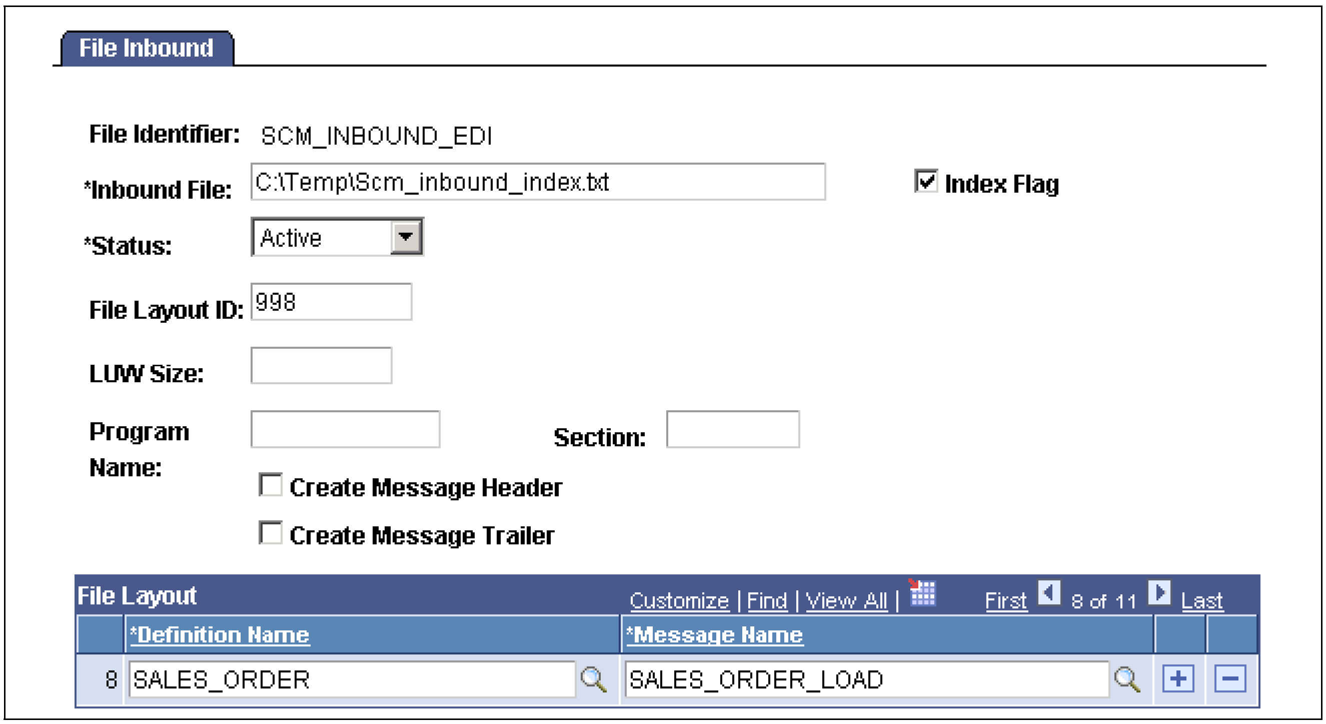
To define nodes:

1. Navigate to PeopleTools, Integration Broker, Select Node Definition.
2. Add the new node definition.
3. Select the Node info tab, and click the Active Node check box.

4. Select the connectors tab, and enter the gateway ID and connector ID.
5. Select Save and exit.
6. Navigate to PeopleTools, Integration Broker and select Gateways.
7. Enter the Gateway URL and load the correct connector.
8. Save and exit.

Setting the Inbound File Rule

Access the File Inbound page.



File Inbound page

Change the Status to *Active*. Add the Definition Name of *SALES_ORDER*, and Message Name of *SALES_ORDER_LOAD*.

Processing the Sales Order Inbound EIP

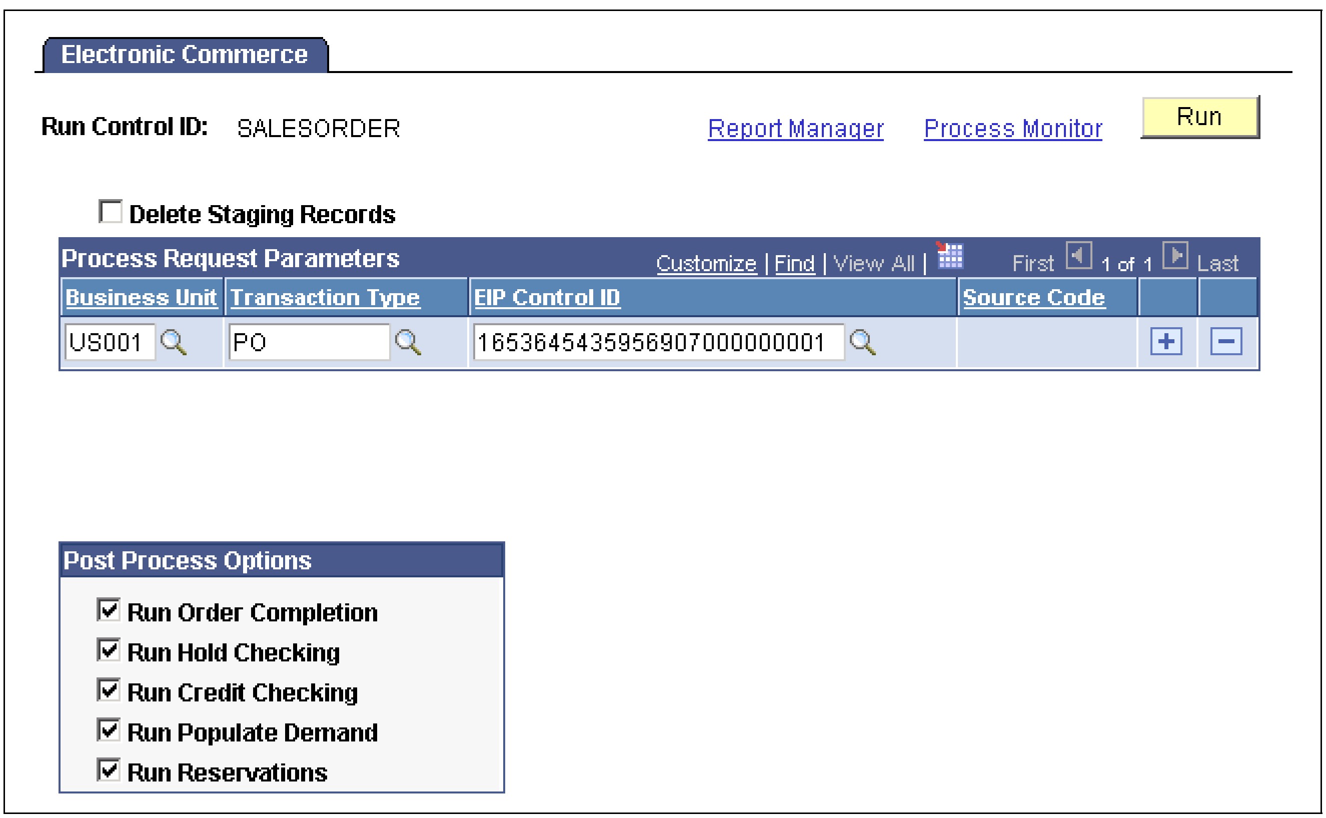
This section discusses how you process inbound sales orders.

Pages Used to Process Inbound Sales Orders

Page Name	Object Name	Navigation	Usage
Electronic Commerce	RUN_OM_EC	Order Management, Electronic Commerce, Process Staged Orders/RFQs	Establish process parameters for inbound Sales Order EIPs.
Data Def Maint (Data Definition Maintenance)	EO_EIP_CTL_MAINT	SCM Integrations, Transaction Error Handling, Maintain Data Definitions, Data Def Maint (data definition maintenance)	View data detail or correct errors for subscribe messages that contain data rather than transactions
Error Summary	OM_EIP_ORDERS	Click the Show Detail Entry button for a transaction with the *Error* status on the Data Def Maint page.	View the error queue.
Order Completion	RUN_OM_BACKGRND	Order Management, Quotes and Orders, Process Orders, Order Completion	Run the Order Completion process to complete processing for the request for all inbound messages.

Running Electronic Commerce

Access the Run Electronic Commerce page.

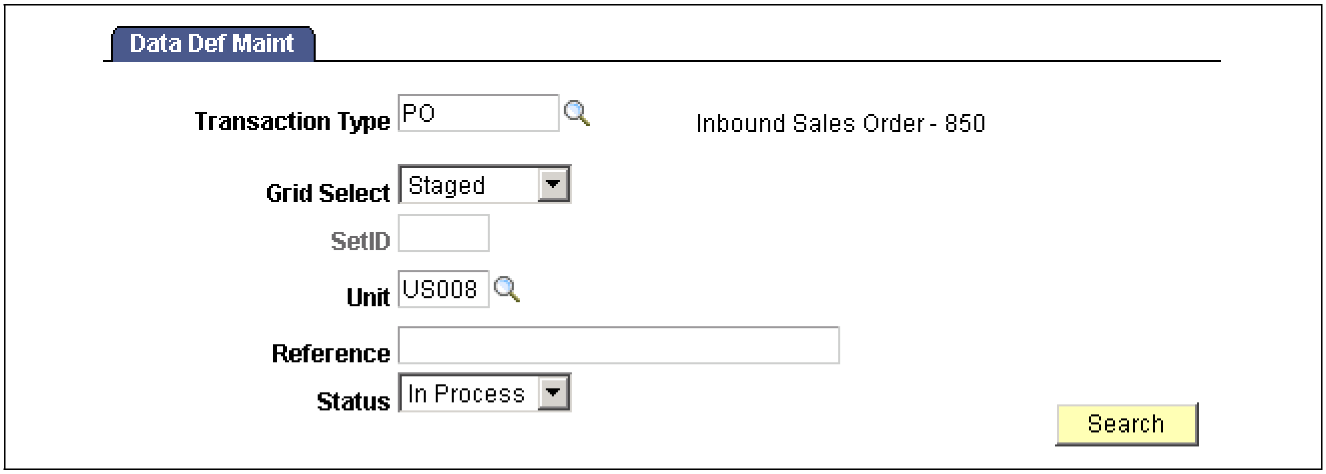


Electronic Commerce page

You can select a business unit, specify a transaction type and EIP control ID, and source code to limit the data to process.

Correcting Errors

Access the Data Definition Maintenance page.



Data Def Maint (Data Definition Maintenance page

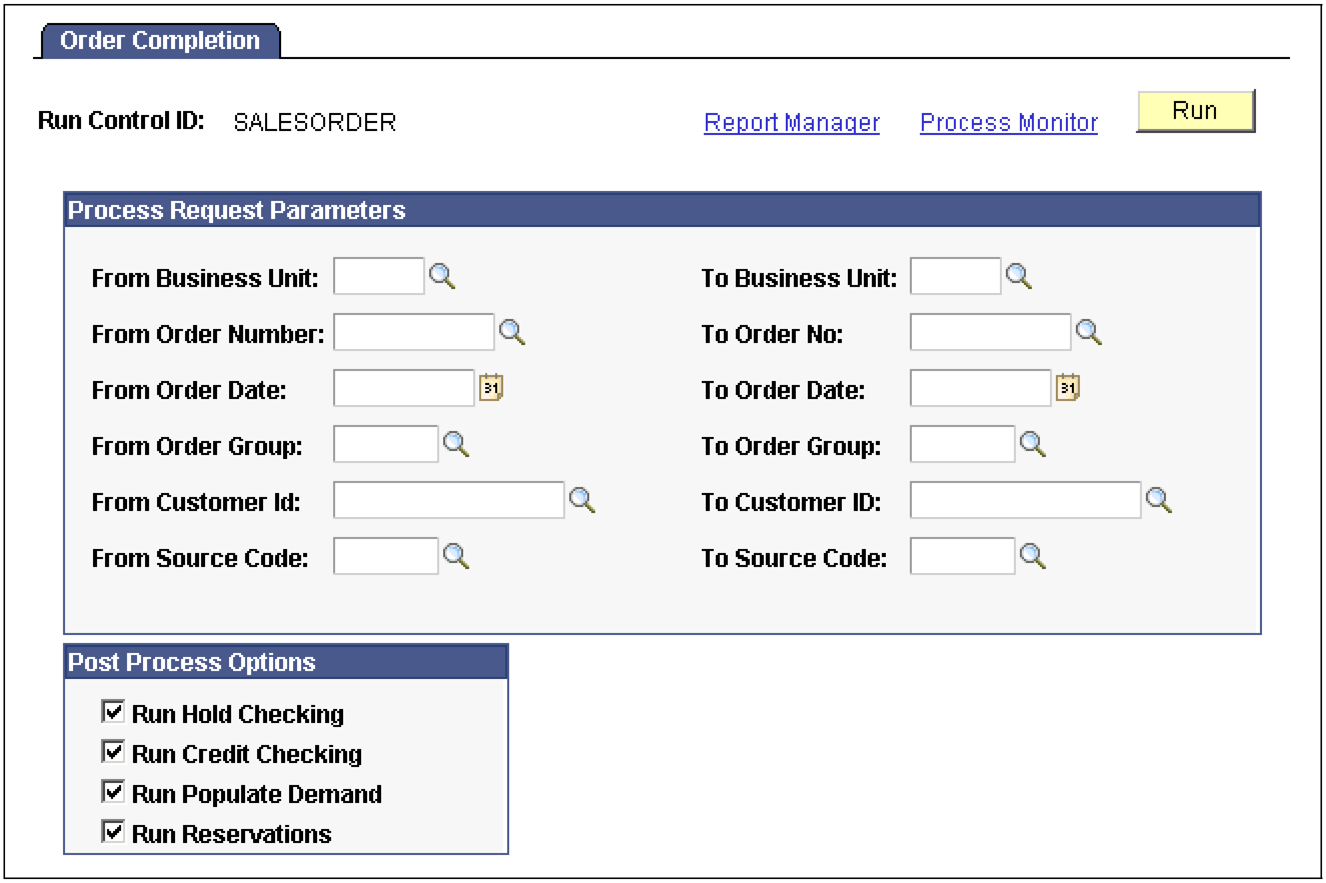
Select a Transaction Type of *PO*. Enter a business Unit. Select Grid Select of *Staged*, and optionally enter a Status. Click the Search button.

See Also

PeopleSoft Enterprise Order Management 8.9 PeopleBook, "Using Sales Order and Quotation Messages"

Completing the Orders

Access the Order Completion page.



Order Completion page

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Setting Up the Sales Order Acknowledgement EIP

This section discusses the Sales Order Acknowledgement EIP.

Understanding the Sales Order Acknowledgment EIP

This message publishes an acknowledgement indicating that an order has been received. The Sales Order Acknowledgement EIP meets X.12 EDI requirements of the 855 transaction set. Sales Order Acknowledgement is an outbound asynchronous batch publish EIP.

Before you can publish messages with the Sales Order Acknowledgement EIP, you must:

Type of Setup	Steps
Complete PeopleTools setup	Activate the message (SALES_ORDER_ ACKNOWLEDGEMENT).

Type of Setup	Steps
Complete application setup	Associate customers receiving sales order acknowledgements with an *ACKN* document code and a preferred communication value of *XML Only* or *XML and Print*. If PeopleSoft Order Management is installed, you set up these values on the Contact Additional Info page in the Maintain Contact component.
Enterprise Utility setup	Activate the associated batch publish rule and specify the appropriate output for the message (an XML-based message or a flat file).

See Also

PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook, "Integrating With a Third-Party Point-of-Use Supplier System"

PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook, "Integrating With a Third-Party Surgical Resource Software Application"

Pages Used to Set Up the Sales Order Acknowledgement EIP

Page Name	Object Name	Navigation	Usage
Batch Publish Rules	EO_MSGPUBATCH	Enterprise Components, Integration Definitions, Batch Publish Rules	Set up publication rules. You must activate a publish rule for the publication messages you create to follow. This rule includes instructions on message chunking, if necessary.
Contact	CONTACT	Customers, Contact Information	Maintain information about each contact.
Contact Customer	CONTACT_CUST_PAGE	Click the Contact Customer Information link on the Contact page.	Indicate the primary ship to contact.
Contact Additional Info	CONTACT_ADDTL_INFO	Click the Additional Info link for a contact on the Contact Customer page.	Enter the preferred communication method for the selected document.

Activating Messages

To activate a message for publication:

1. Open an instance of PeopleSoft Application Designer.
2. Select File, Open. The Open Object dialog box appears.
3. In the Definition drop-down menu, select *Message*, enter the message name in the Name field, and click Open. The message you specified opens.
4. Select File, Definition Properties. The Message Properties dialog box appears.
5. On the Message Properties dialog box, select the Use tab.

6. Select the Active check box to activate the message.
7. Click OK, then select File, Save to save the message.

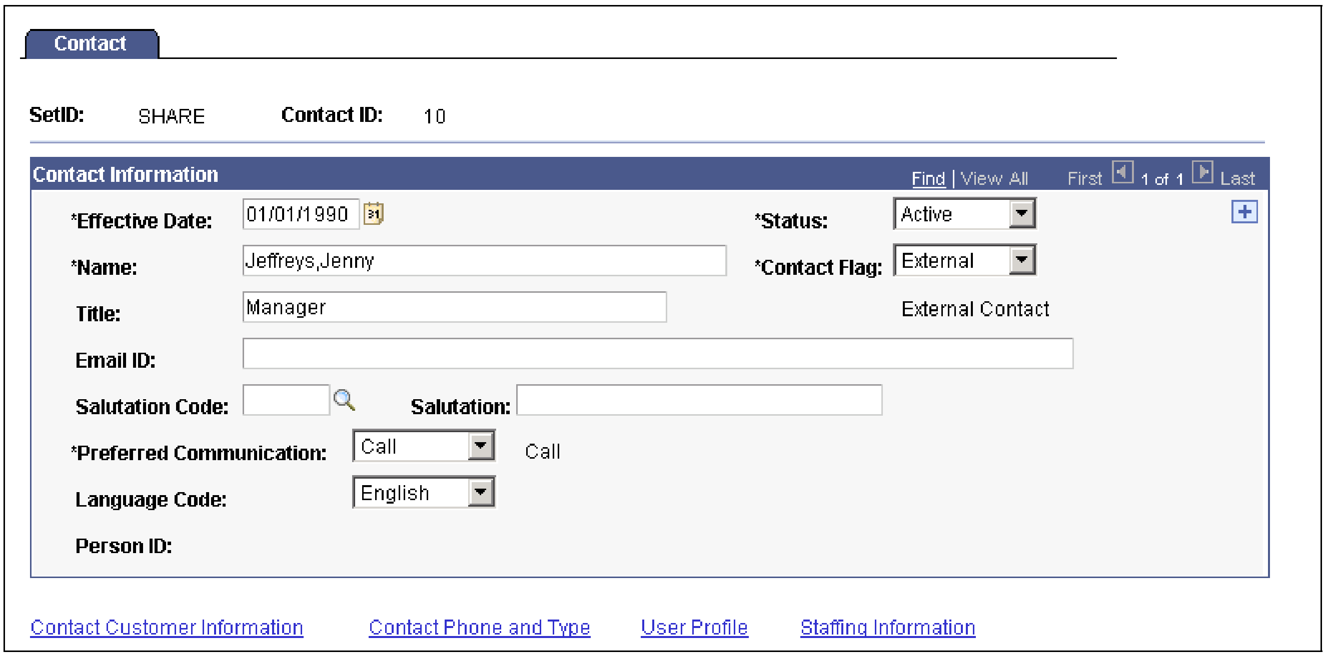
See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Verifying Contacts

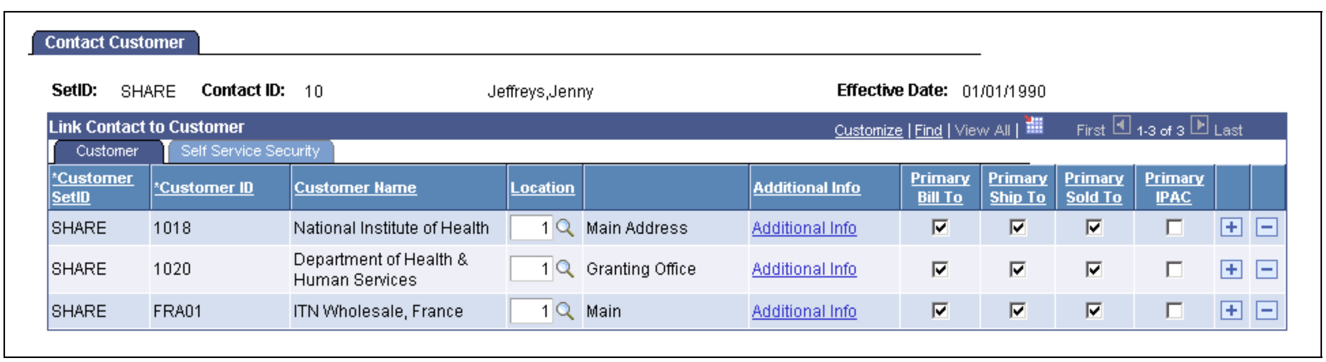
You must ensure that the customer you are interacting with has a contact set up to accept EDI transmissions, and that the contact is a ship to contact.

Access the Contact page using the Customer ID in correction mode.



Contact page

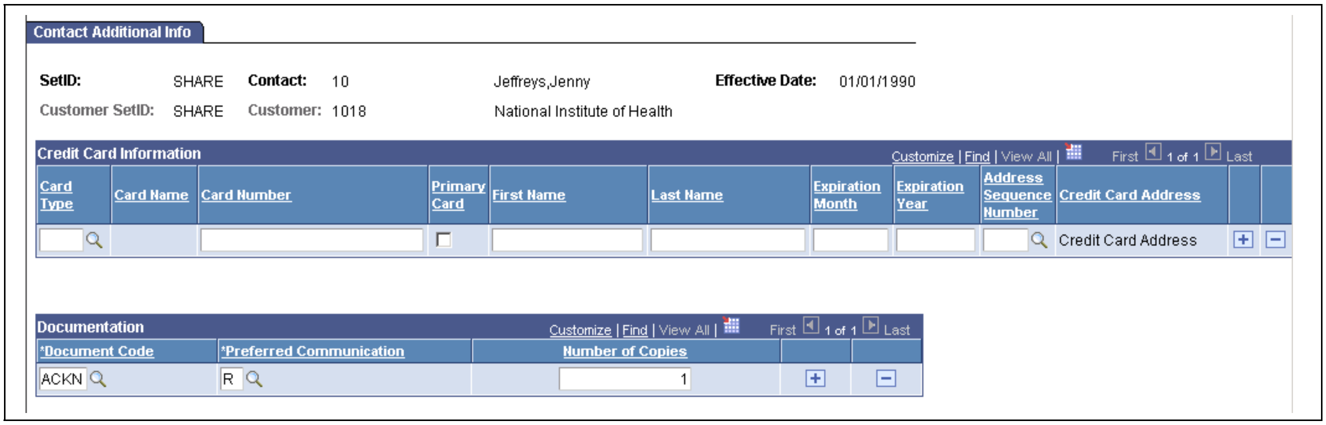
Access the Contact Customer page using the Contact Customer Information link.



Contact Customer page

Click the Primary Ship To check box to receive the proper shipping notifications.

Click the Additional Info link corresponding to the appropriate customer.



Contact Additional Info page

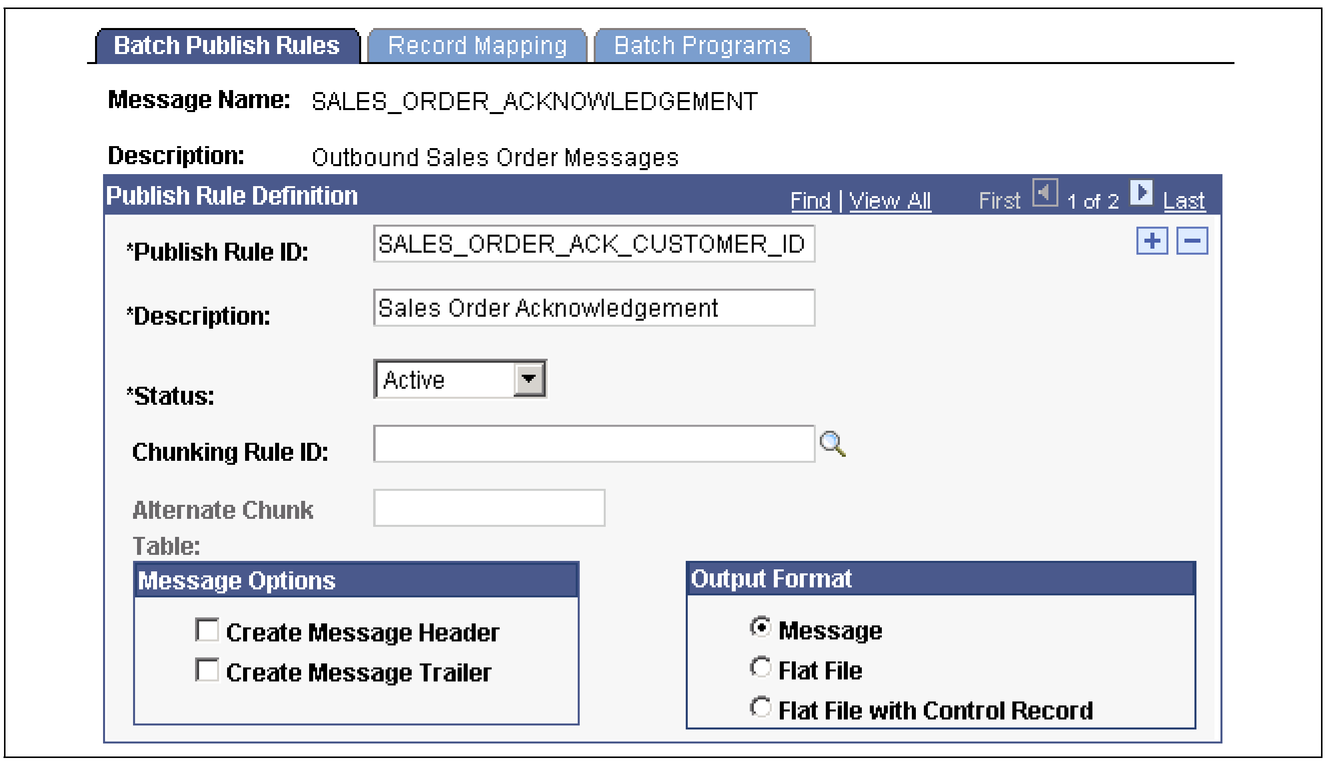
Under the Documentation group box, make sure the Document Code is *ACKN* (order acknowledgement), and Preferred Communication is *R* (XML and Print) or *I* (XML only).

See Also

PeopleSoft Enterprise Order to Cash Common Information 8.9 PeopleBook, “Maintaining Contacts”

Activate the Batch Publish Rule

Access the Batch Publish Rules page.



Batch Publish Rules page

1. Select *Active* Status to activate this publish rule definition for this message to prevent this rule from applying to this message.

2. Select the appropriate Output Format. The PeopleSoft Application Engine program can create either an Extensible Markup Language (XML) message that flows through application messaging architecture or a

flat file generated on the PeopleSoft Process Scheduler machine and not published elsewhere. Always select Message as your format when you send data to PeopleSoft systems, and Flat File if you are using EDI.

3. If you want to use message chunking, select a Chunking Rule ID.

   See Chapter 4, “Review EDI Messaging Examples,” Setting Up Chunking, page 67.

See Also

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, “Assigning Publishing Rules”

Processing the Sales Order Acknowledgement EIP

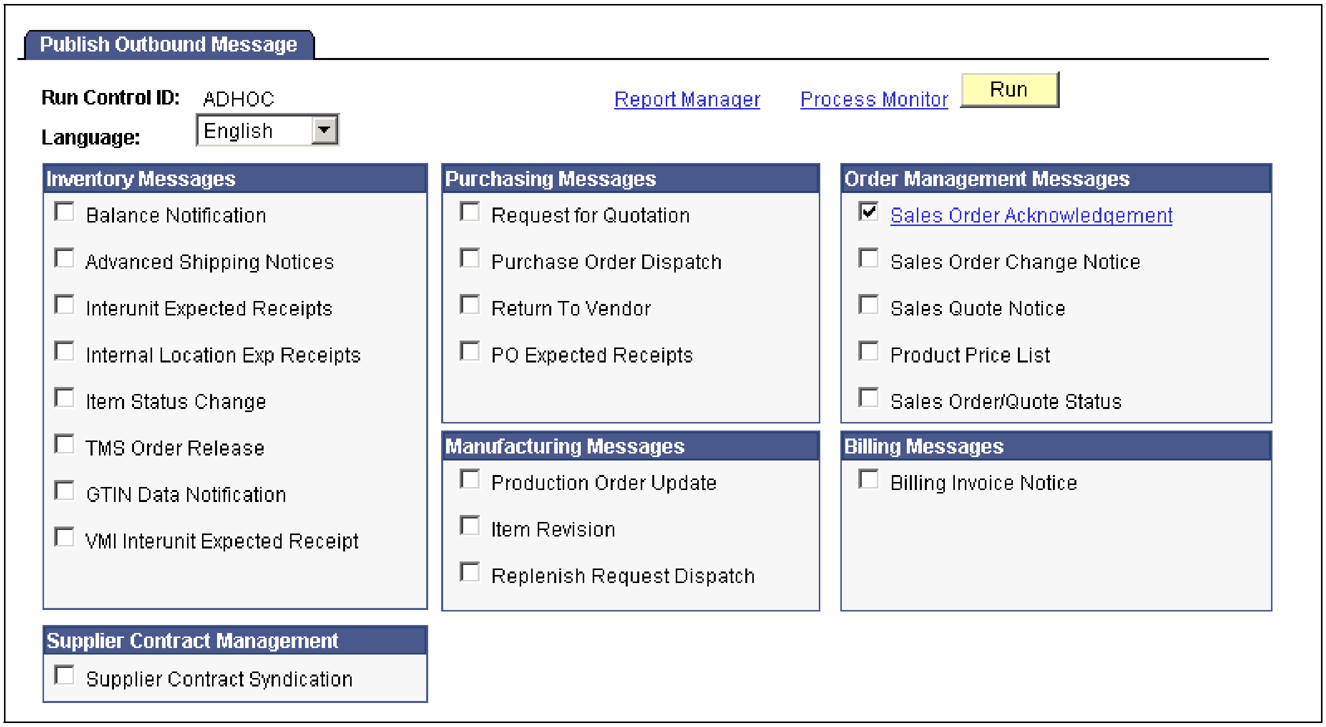
This section discusses processing the Sales Order Acknowledgement EIP.

Pages Used to Process the Sales Order Acknowledgement EIPs

Page Name	Object Name	Navigation	Usage
Publish Outbound Message	IN_RUN_PUB_MSG	SCM Integrations, Publish Outbound Message	Initiate the outbound message publish process for outbound SCM messages that use the batch publish design pattern.
Order Acknowledgement Message Selection Criteria	OM_RUN_OUTBOUND_EC	• Select the Sales Order Acknowledgement check box and click the Sales Order Acknowledgement link on the Publish Outbound Message page. • Select the Sales Order Change Notice check box and click the Sales Order Change Notice link on the Publish Outbound Message page. • Select the Sales Quote Notice check box and click the Sales Quote Notice link on the Publish Outbound Message page.	Enter processing options for the Sales Order Acknowledgement, Sales Order Change Notice, and Sales Quote Notice outbound messages. You can select processing options for only one message at a time.

Publishing Outbound Sales Order Acknowledgement Messages

Access the Publish Outbound Message page.



Publish Outbound Message page

Click the Sales Order Acknowledgement check box, and click the Sales Order Acknowledgement link to access the Sales Order Acknowledgement page.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Setting Up the Purchase Order Dispatch EIP

This section discusses setting up the Purchase Order Dispatch EIP.

Understanding the Purchase Order Dispatch EIP

This EIP publishes purchase orders and purchase order change requests (change orders) to vendors. This message also supports flat-file processing. The Purchase Order Dispatch EIP meets X.12 EDI requirements of the 850 transaction set. Purchase Order Dispatch is an outbound asynchronous batch publish EIP. If enabled, the system generates a Purchase Order Dispatch EIP transaction message when you run the Publish Outbound Message process. You can specify whether to generate the billing invoice for all sales order shipments in the business unit, sales orders belonging to a specific shipping ID, sales orders for a specific sold to customer, or sales orders for a specific ship to customer.

Before you can publish messages with the Purchase Order Dispatch EIP, you must:

Types of Setup	Steps
Complete PeopleTools setup	Activate the message (PURCHASE_ORDER_DISPATCH).
Complete application setup	On the purchase order, specify EDX as the PO dispatch method.
Complete Enterprise Utility setup	Activate the associated batch publish rule and specify the appropriate output for the message (an XML-based message or a flat file).

Pages Used to Set Up the Purchase Order Dispatch EIP

Page Name	Object Name	Navigation	Usage
PO Header Details	PO_HDR_DTL	Purchasing, Purchase Orders, Add/Update POs. Click the Header Details link on the Purchase Order page.	Enter or change PO header information online.
Batch Publish Rules	EO_MSGPUBATCH	Enterprise Components, Integration Definitions, Batch Publish Rules	Set up publication rules. You must activate a publish rule for the publication messages you create to follow. This rule includes instructions on message chunking, if necessary.

Activating Messages

To activate a message for publication:

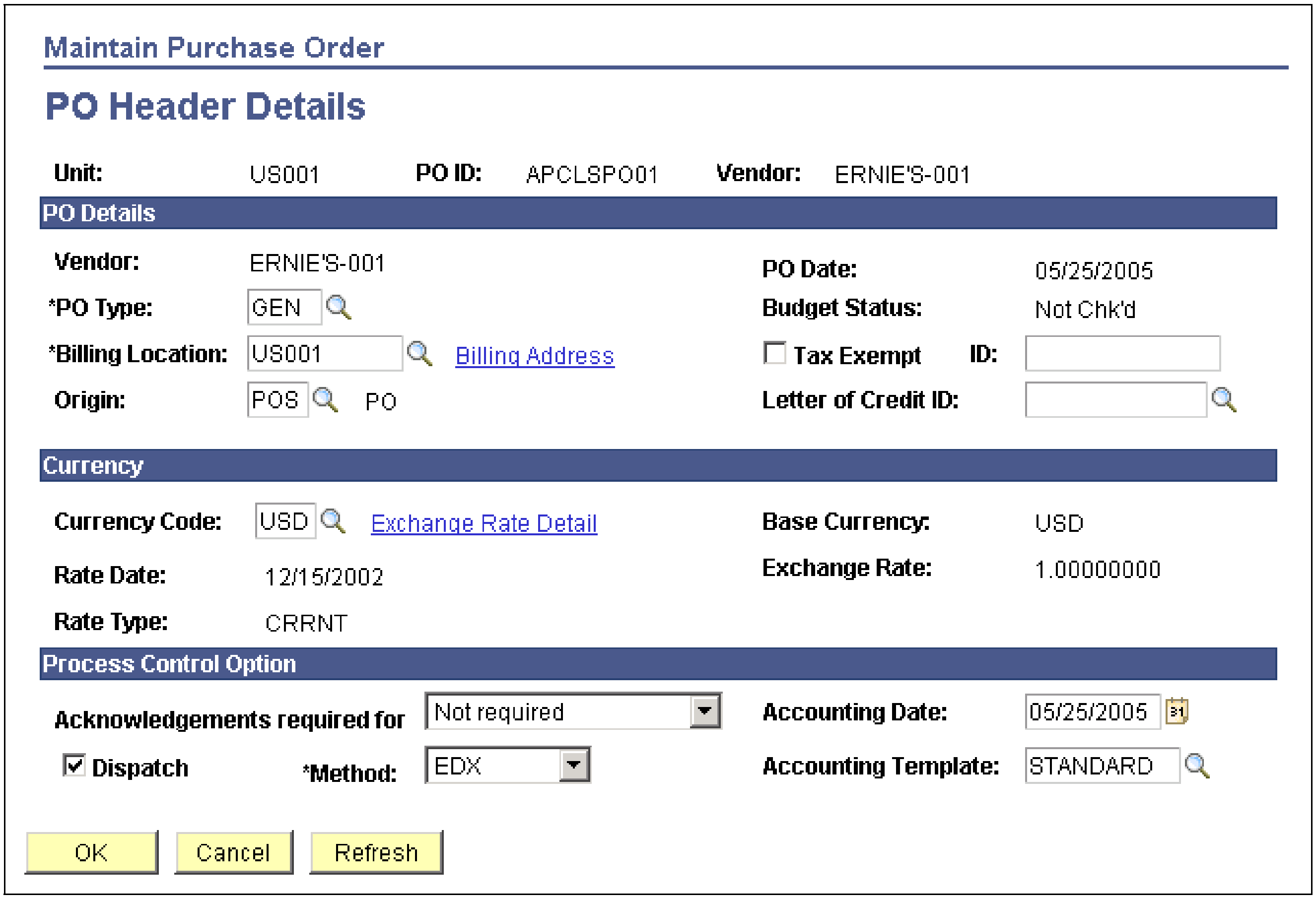
1. Open an instance of PeopleSoft Application Designer.
2. Select File, Open. The Open Object dialog box appears.
3. In the Definition drop-down menu, select *Message*, enter the message name in the Name field, and click Open. The message you specified opens.
4. Select File, Definition Properties. The Message Properties dialog box appears.
5. On the Message Properties dialog box, select the Use tab.
6. Select the Active check box to activate the message.
7. Click OK, then select File, Save to save the message.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Setting the Purchase Order Dispatch Method

Access the PO Header Details page.



PO Header Details page

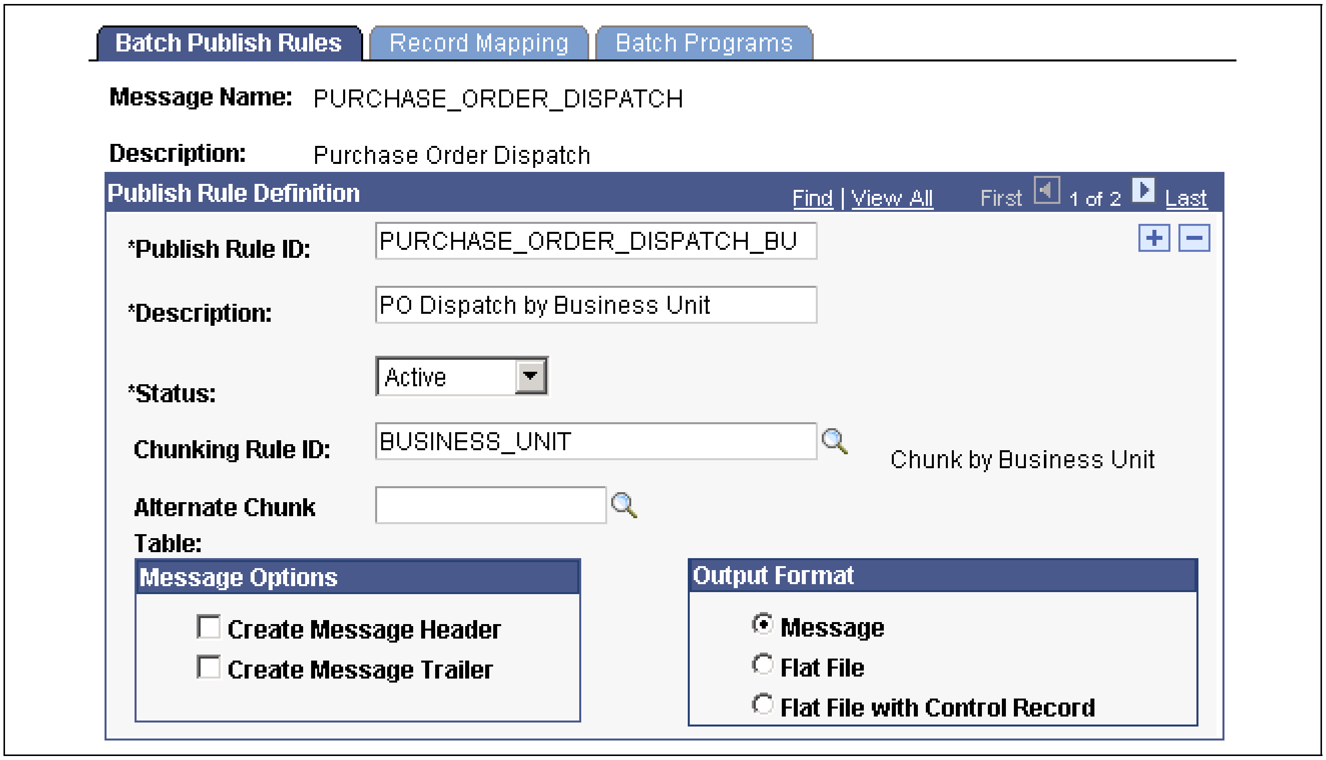
Select the Dispatchcheck box to ensure that the system dispatches the PO. Also, select a dispatch Method of *EDX*.

See Also

PeopleSoft Enterprise Purchasing 8.9 PeopleBook, “Creating Purchase Orders Online”

Activate the Batch Publish Rule

Access the Batch Publish Rules page.



Batch Publish Rules page

1. Select *Active* Status to activate this publish rule definition for this message to prevent this rule from applying to this message.
2. Select the appropriate Output Format. The PeopleSoft Application Engine program can create either an Extensible Markup Language (XML) message that flows through application messaging architecture or a flat file generated on the PeopleSoft Process Scheduler machine and not published elsewhere. Always select Message as your format when you send data to PeopleSoft systems, and Flat File if you are using EDI.
3. If you want to use message chunking, select a Chunking Rule ID.

   See Chapter 4, "Review EDI Messaging Examples," Setting Up Chunking, page 67.

See Also

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Assigning Publishing Rules"

Processing the Purchase Order Dispatch EIP

This section discusses processing the purchase order dispatch EIP.

See Also

PeopleSoft Enterprise Purchasing 8.9 PeopleBook, "Creating Purchase Orders Online"

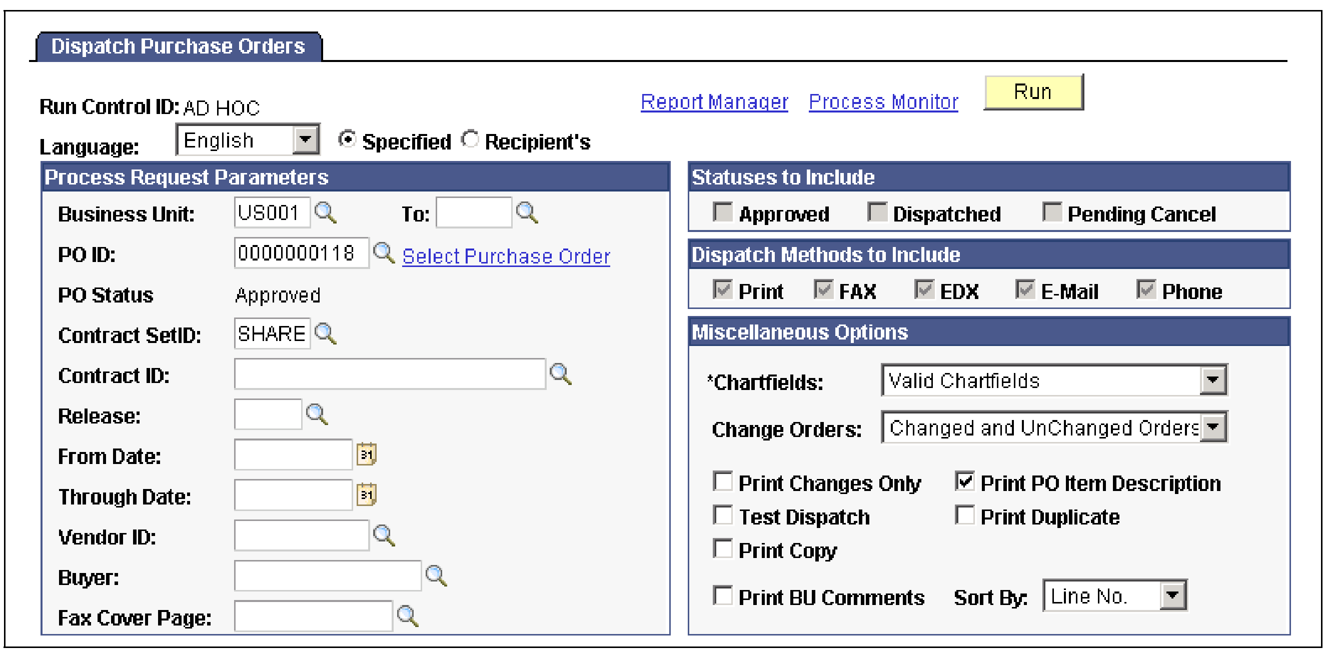
PeopleSoft Enterprise Purchasing 8.9 PeopleBook, "Dispatching and Printing Purchase Orders"

Pages Used to Process the Purchase Order EIP

Page Name	Object Name	Navigation	Usage
Dispatch Purchase Orders	RUN_DISP_POPO005	Purchasing, Purchase Orders, Dispatch POs	Run the PO Dispatch/Print process and dispatch POs, run the Email process, or run the PO Dispatch & Email multiprocess job.
Publish Outbound Message	IN_RUN_PUB_MSG	SCM Integrations, Publish Outbound Message	Initiate the outbound message publish process for outbound SCM messages that use the batch publish design pattern.
PO Dispatch Message Selection Criteria	PO_RUN_POD	Select Purchase Order Dispatch on the Publish Outbound Message page to enable the Purchase Order Dispatch link. Click the Purchase Order Dispatch link to launch the PO Dispatch Message Selection Criteria page.	Launch the Purchase Order Dispatch outbound transaction.

Dispatching Purchase Orders

Access the Dispatch PO page.

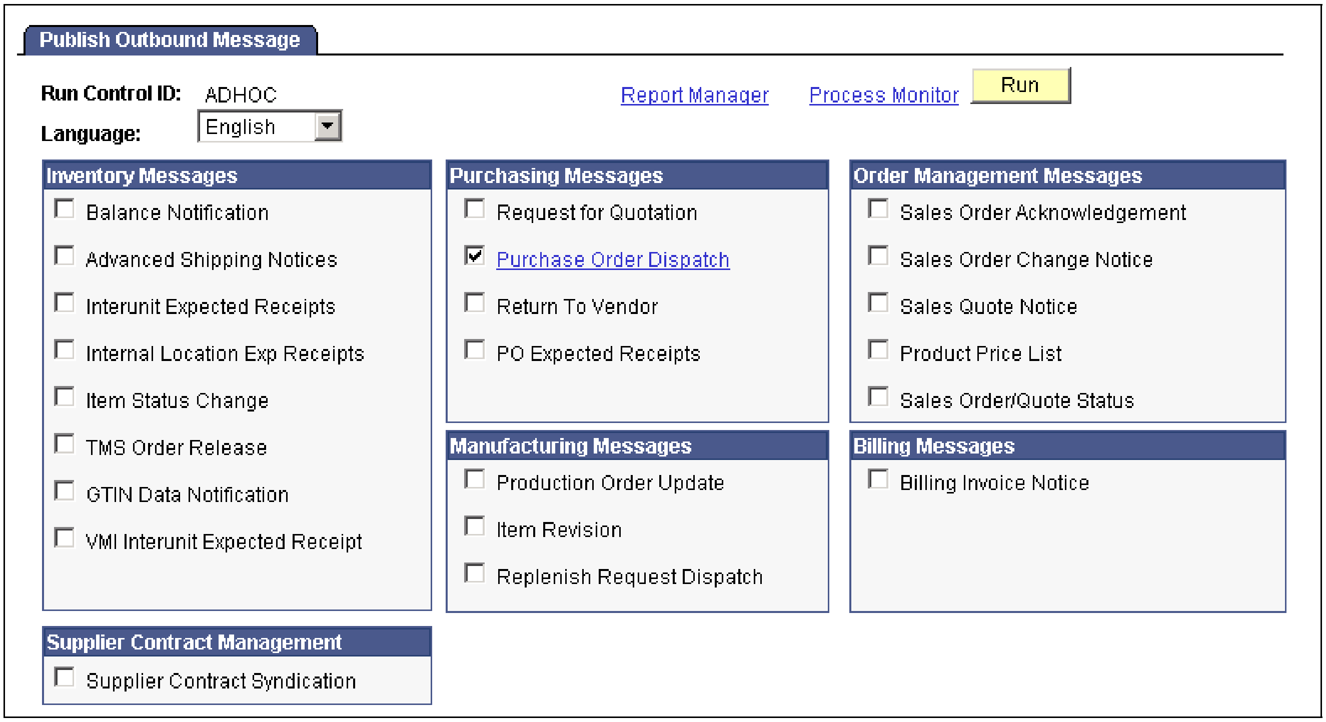


Dispatch Purchase Orders page

Ensure that the PO to be dispatched is included in your selection criteria. Click *Run* to stage POs for dispatch.

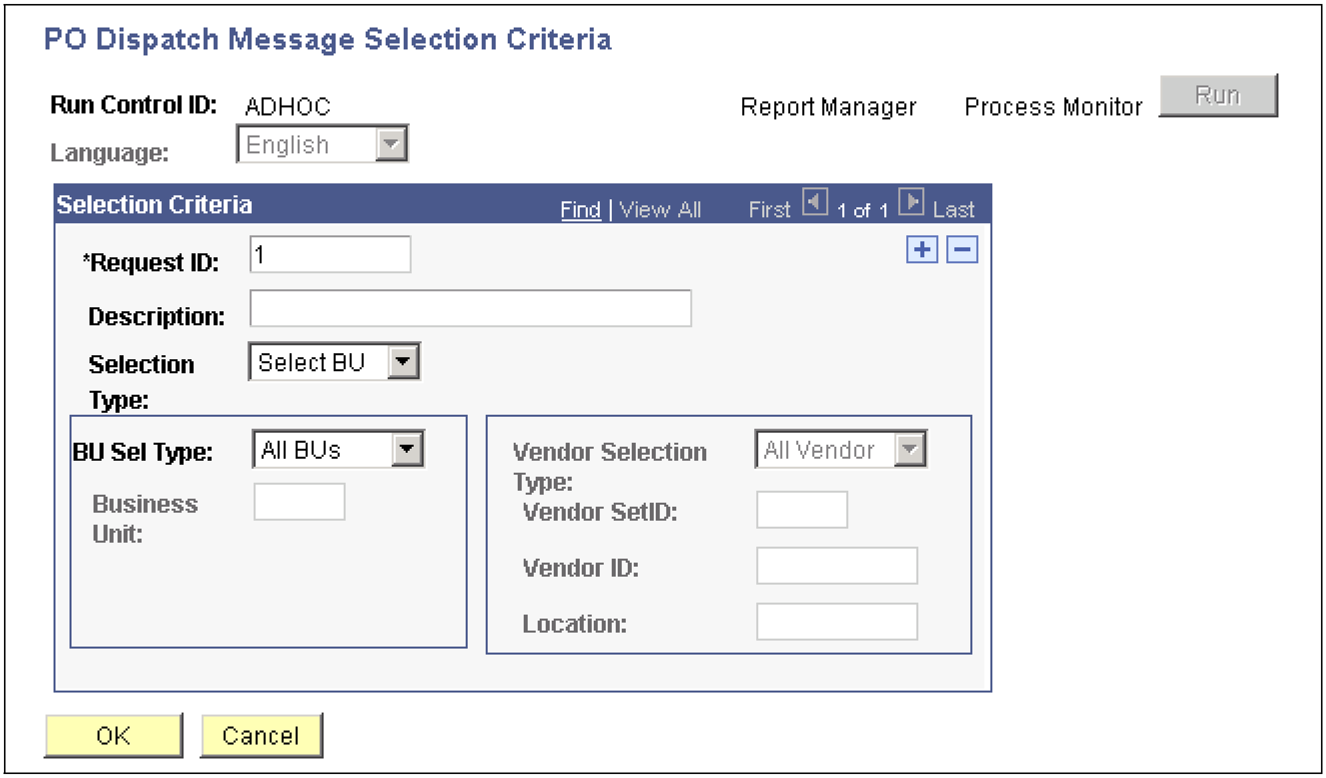
Publishing Outbound Purchase Order Messages

Access the Publish Outbound Message page.



Publish Outbound Message page

Click the Purchase Order Dispatch check box, and click the Purchase Order Dispatch link to access the Purchase Order Dispatch page.



PO Dispatch Message Selection Criteria

1. Select *BU* or *Vendor* as a Selection Type.
2. If you select *BU*, the BU Sel Type fields are enabled, and you can select *All BUs* or a *1 Bus Unit*. If you select *Vendor*, the Vendor Selection Type fields are enabled , and you can select *1 Vendor* or *All Vendor*.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Setting Up the Advanced Shipping Notice EIP

This section discusses the Advanced Shipping Notice EIP.

Understanding the Advanced Shipping Notice EIP

The Advanced Shipment Notice (ASN) EIP meets X.12 EDI requirements of the 856 - Ship Notice/Manifest transactions set. ASN is an outbound asynchronous batch publish EIP.

If enabled, the system generates an Advanced Shipping Notice EIP transaction message when a sales order entered from PeopleSoft Order Management has been depleted in PeopleSoft Inventory. You can specify whether to generate the ASN for all sales order shipments in the business unit, sales orders belonging to a specific shipping ID, sales orders for a specific sold to customer, or sales orders for a specific ship to customer.

Before you can publish messages with the Advanced Shipment Notice EIP, you must:

Type of Setup	Steps
Complete PeopleTools setup	• Activate the message (ADVANCED_SHIPPING_NOTICE). If using message chunking, setup the OnRoute Send PeopleCode event on the message. • Set up an outbound synchronous transaction defining the ADVANCED_SHIPPING_NOTICE message on each node that will receive the transaction. • Verify the ADVANCED_SHIPPING_NOTICE message channel is in a run mode.
Complete application setup	• Select the Use Advanced Shipment Notice option for the business unit on the Inventory Definition - Business Unit Options page. • Associate customers receiving Advanced Shipment Notice EIP messages with an *ASN* document code and a preferred communication value of *XML Only* or *XML and Print*. If PeopleSoft Order Management is installed, you set up these values on the Contact Additional Info page in the Maintain Contact component.
Enterprise Utility setup	• Activate the associated batch publish rule and specify the appropriate output for the message (an XML-based message or a flat file). If you are using message chunking, select a chunking rule ID. • If you are using message chunking, set up the chunking rule mapping definitions.

See Also

PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook, “Integrating With a Third-Party Point-of-Use Supplier System”

PeopleSoft Enterprise Supply Chain Management Integration 8.9 PeopleBook, “Integrating With a Third-Party Surgical Resource Software Application”

Pages Used to Set Up the Advanced Shipping Notice EIP

Page Name	Object Name	Navigation	Usage
Batch Publish Rules	EO_MSGPUBATCH	Enterprise Components, Integration Definitions, Batch Publish Rules	Set up publication rules. You must activate a publish rule for the publication messages you create to follow. This rule includes instructions on message chunking, if necessary.
Contact	CONTACT	Customers, Contact Information	Maintain information about each contact.
Contact Customer	CONTACT_CUST_PAGE	Click the Contact Customer Information link on the Contact page.	Indicate the primary ship to contact.
Contact Additional Info	CONTACT_ADDTL_INFO	Click the Additional Info link for a contact on the Contact Customer page.	Enter the preferred communication method for the selected document.
Business Unit Definition — Inventory Options page	BUS_UNIT_INV5	Set Up Financials/Supply Chain, Business Unit Related, Inventory, Inventory Definition, Business Unit Options	Define external interfaces.

Activating Messages

To activate a message for publication:

1. Open an instance of PeopleSoft Application Designer.
2. Select File, Open. The Open Object dialog box appears.
3. In the Definition drop-down menu, select *Message*, enter the message name in the Name field, and click Open. The message you specified opens.
4. Select File, Definition Properties. The Message Properties dialog box appears.
5. On the Message Properties dialog box, select the Use tab.
6. Select the Active check box to activate the message.
7. Click OK, then select File, Save to save the message.

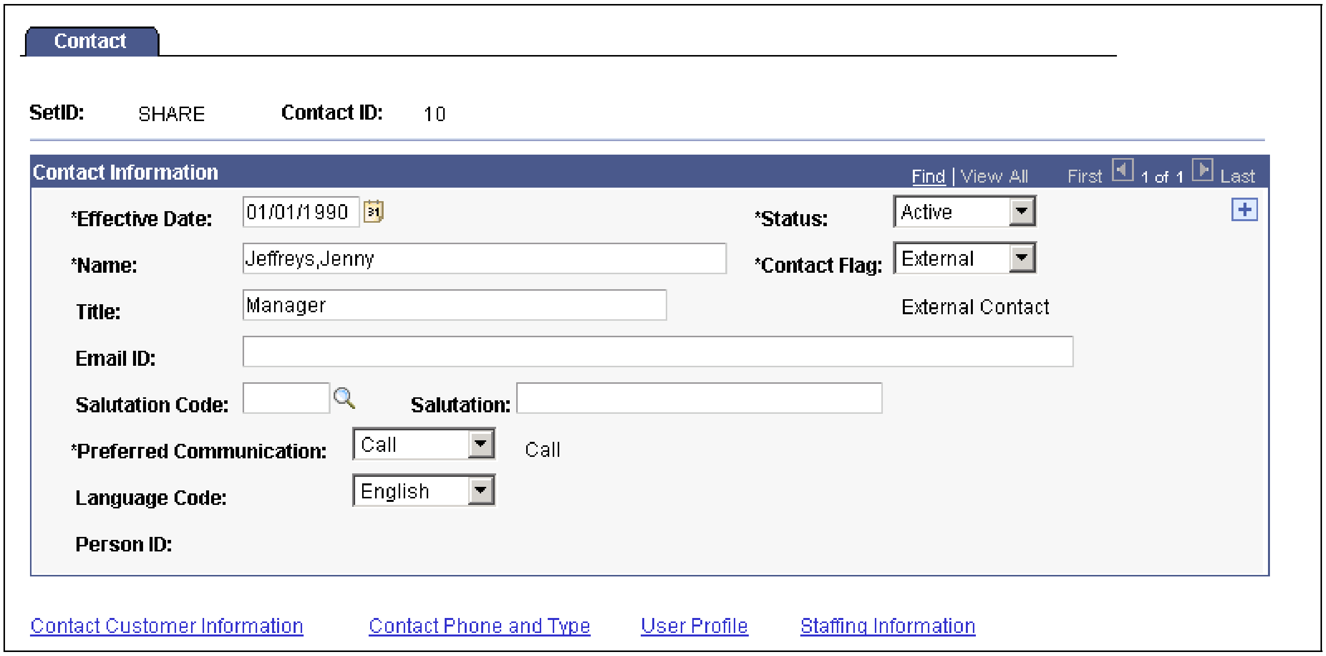
See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Verifying Contacts

You must ensure that the customer you are interacting with has a contact set up to accept EDI transmissions, and that the contact is a ship to contact.

Access the Contact page using the Customer ID in correction mode.

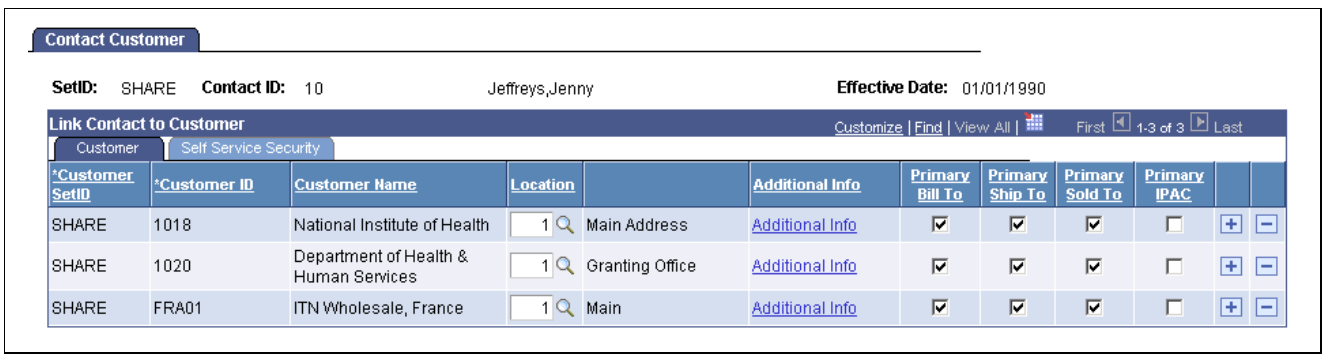


Contact page

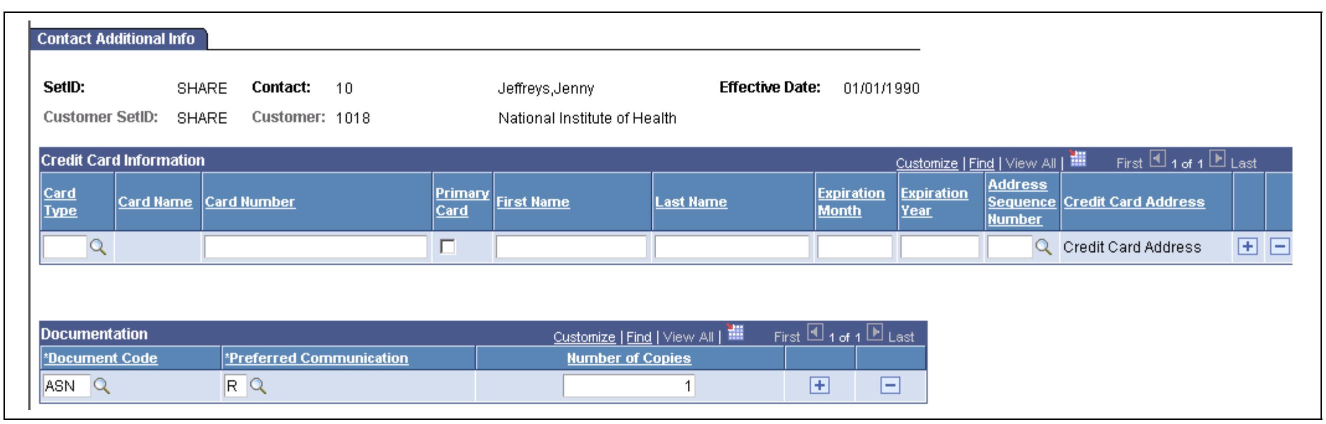
Access the Contact Customer page using the Contact Customer Information link.

Click the Primary Ship To check box to receive the proper shipping notifications.

Click the Additional Info link corresponding to the appropriate customer.



Contact Customer page



Contact Additional Info page

Under the Documentation group box, make sure the Document Code is *ASN* (advanced shipping notification), and Preferred Communication is *R* (XML and Print) or *I* (XML only).

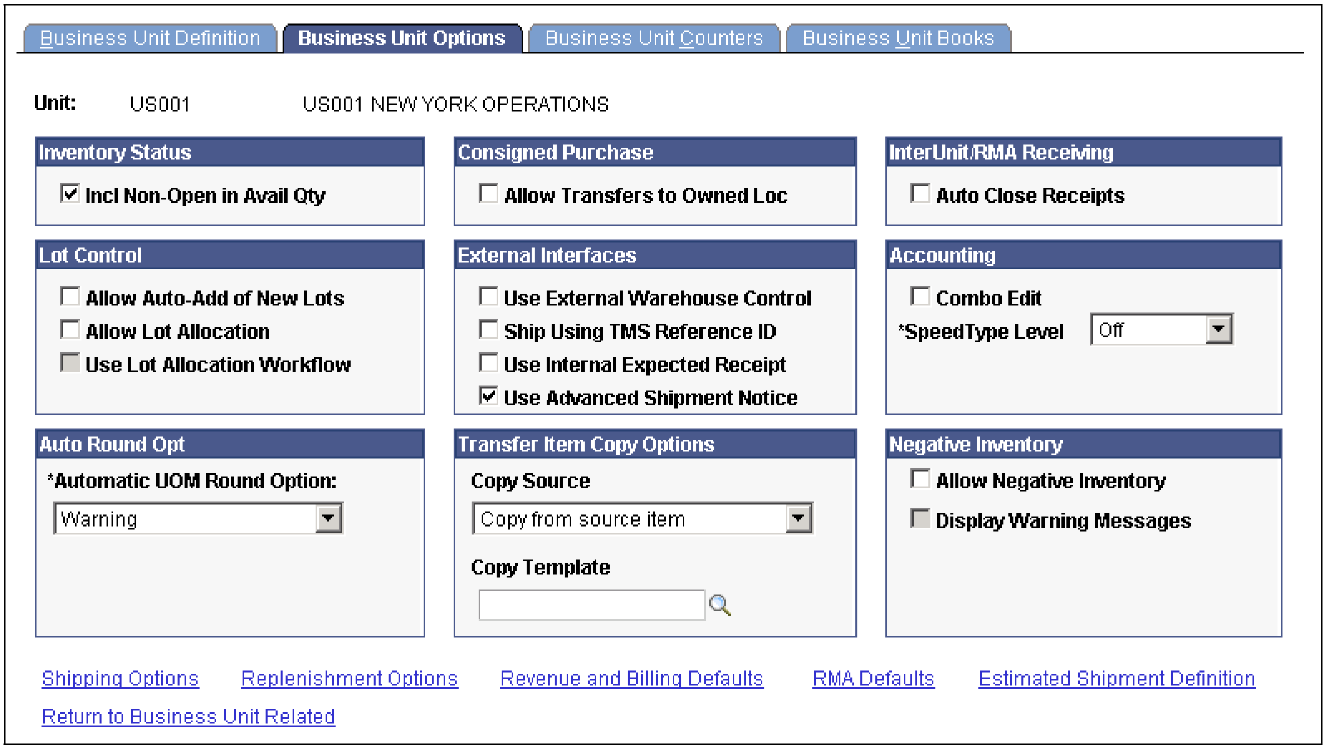
See Also

PeopleSoft Enterprise Order to Cash Common Information 8.9 PeopleBook, “Maintaining Contacts”

Enabling the Inventory Business Unit

You must enable ASN generation in the business unit shipping the items.

Access the Inventory Definition - Business Unit Options page.



Inventory Definition Business Unit Options page

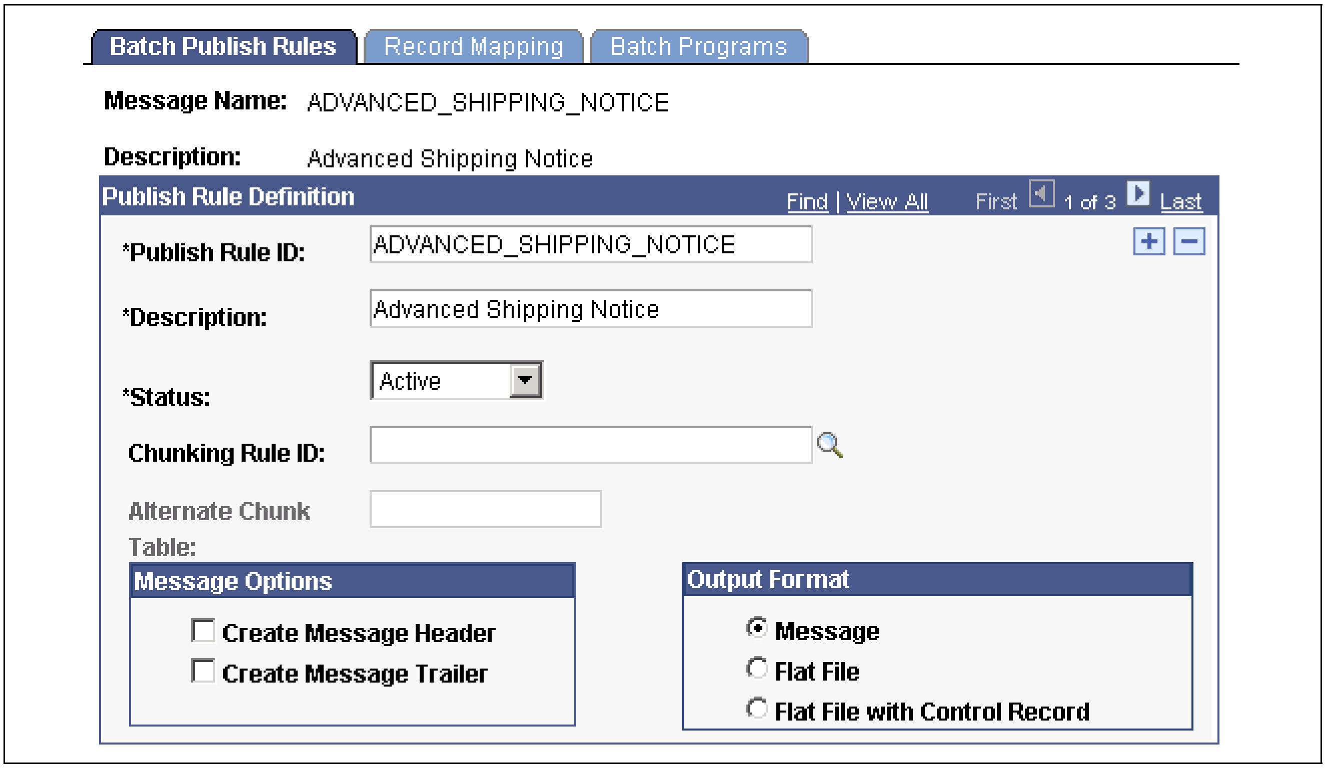
Click the Use Advanced Shipment Notice check box in the External Interfaces group box.

See Also

PeopleSoft Enterprise Inventory 8.9 PeopleBook, “Defining Your Operational Structure in PeopleSoft Inventory,” Defining PeopleSoft Inventory Business Unit Attributes

Activate the Batch Publish Rule

Access the Batch Publish Rules page.



Batch Publish Rules page

1. Select *Active* Status to activate this publish rule definition for this message to prevent this rule from applying to this message.
2. Select the appropriate Output Format. The PeopleSoft Application Engine program can create either an Extensible Markup Language (XML) message that flows through application messaging architecture or a flat file generated on the PeopleSoft Process Scheduler machine and not published elsewhere. Always select Message as your format when you send data to PeopleSoft systems, and Flat File if you are using EDI.
3. If you want to use message chunking, select a Chunking Rule ID.

   See Chapter 4, "Review EDI Messaging Examples," Setting Up Chunking, page 67.

Chunking the Advanced Shipping Notice EIP

Chunking is only needed if you have requirements to break up the messages and send them to different destinations based on attributes in the message such as business unit or customer ID. The most common use of chunking with the ASN message is to send a single customer's messages to a specific node setup for that trading partner. If you are using a middleware product to actually determine trading partner destinations then a single message with all trading partner transactions can usually be sent directly to the middleware product. You would not need to activate message chunking in this situation.

For an example of how to use chunking, look at the batch publish rules for the ADVANCED_SHIPPING_NOTICE Message. These batch publish rules were provided as examples to show the power of message chunking.

The ADVANCED_SHIPPING_NOTICE batch publish rule is the standard rule used without chunking. If you want to chunk by Business Unit just attach the BUSINESS_UNIT chunk rule to the batch publish rule. You would also have to populate the Business Unit to node values in the chunk table and set up the OnRouteSend Routing Rule on the Message when you activate it in the Application Designer.

If you want to chunk by Ship To Customer then activate the ASN_SETID_SHIPTO batch publish rule. In this case you also need to populate the customer chunk rule table and setup the OnRouteSend Routing Rule.

If you want to chunk by Sold To Customer then activate the ASN_SETID_SOLDTO chunk rule, populate the customer chunk rule table and setup the OnRouteSend Routing Rule.

See Also

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Assigning Publishing Rules," Assigning Batch Publishing Rules

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Assigning Publishing Rules," Setting Up Message Chunking

Processing the Advanced Shipping Notice EIP

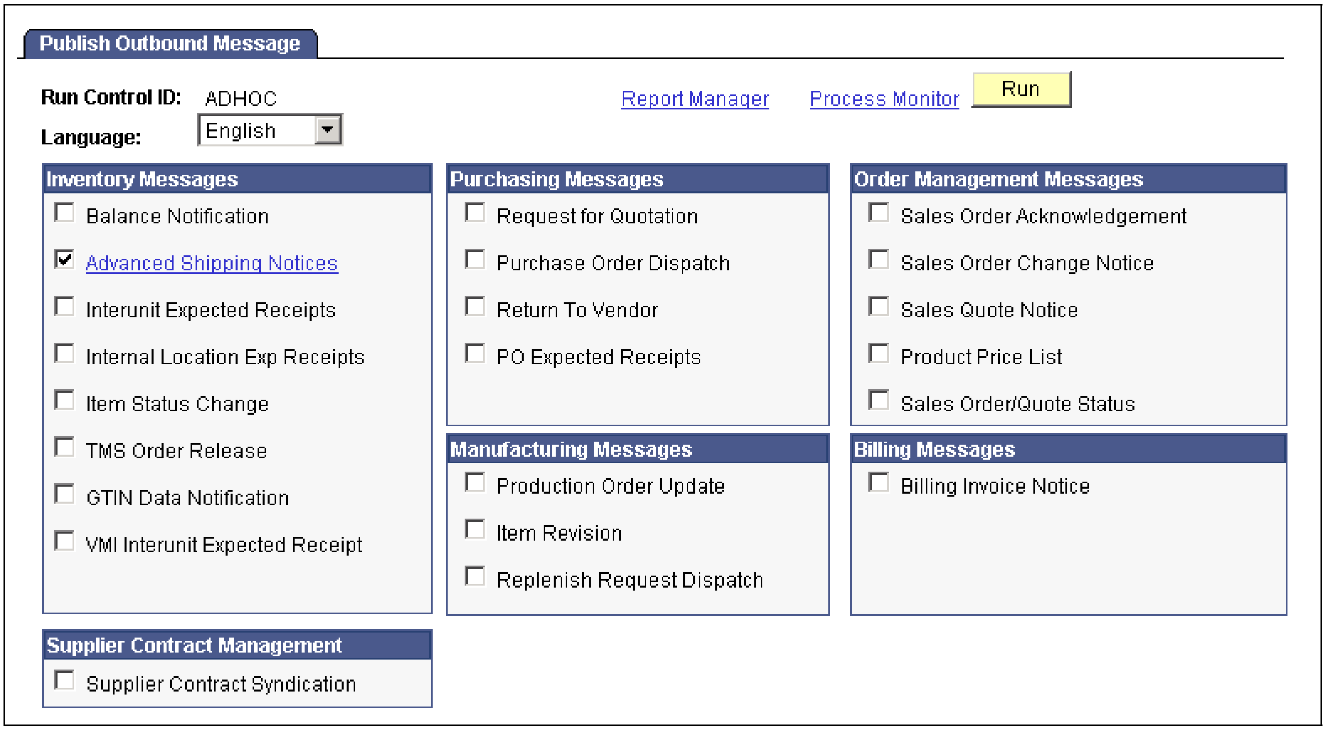
This sections discusses processing the Advanced Shipping Notice EIP.

Pages Used to Process the Advanced Shipping Notice EIP

Page Name	Object Name	Navigation	Usage
Publish Outbound Message	IN_RUN_PUB_MSG	SCM Integrations, Publish Outbound Message	Initiate the outbound message publish process for outbound SCM messages that use the batch publish design pattern.
Advanced Shipping Notices Selection Criteria	IN_RUN_SHPNTC_ASN	Select Advanced Shipping Notices on the Publish Outbound Message page to enable the Advanced Shipping Notices link. Click the Advanced Shipping Notices link to access the Advanced Shipping Notices Selection Criteria page.	Launch the Advanced Shipping Notices outbound transaction for sales orders that have been depleted.

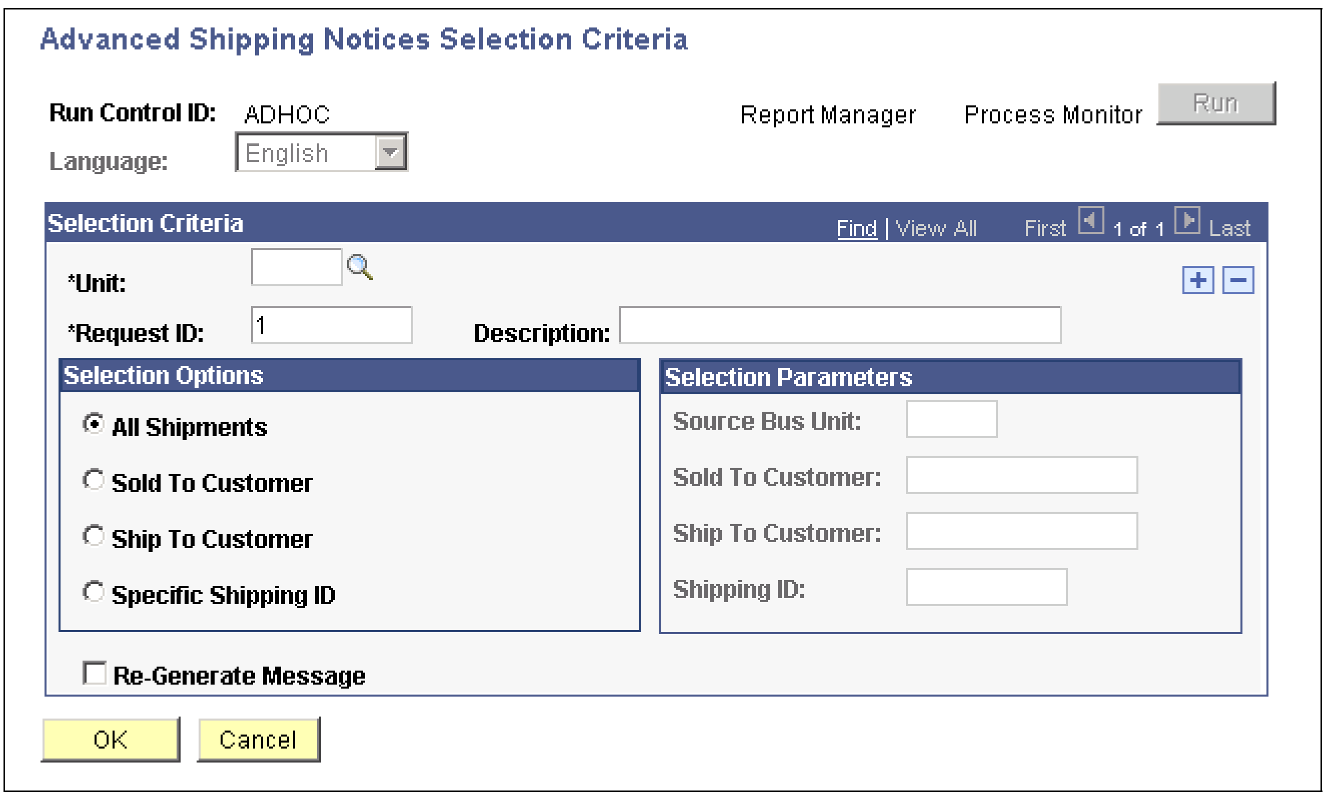
Publishing Advanced Shipping Notices

Access the Publish Outbound Message page.



Publish Outbound Message page

Click the Advanced Shipping Notices check box, and click the Advanced Shipping Notices link to access the Advanced Shipping Notices Selection Criteria page.



Advanced Shipping Notices Selection Criteria page

All Shipments	Select to generate this transaction for all sales order shipments that have been through the Depletion process (INPDDEPL), but have not previously generated an ASN.
Sold To Customer	Select to generate this transaction for a sales order with a specific sold to customer.
Ship To Customer	Select to generate this transaction for a sales order with a specific ship to customer.
Specific Shipping ID	Select to generate this transaction for sales orders with a specific shipping ID.
Source Bus Unit	Select a valid source business unit. A source business unit is the PeopleSoft Order Management business unit that created the sales order. This field is required if you elect in the Selection Options group box to generate this transaction for a specific sold to or ship to customer. This field is not available for entry if you elect in the Selection Options group box to generate this transaction for all shipments, or for a specific shipping ID.
Sold To Customer	Select a valid sold to customer. This field is only available for entry and is required if you elect in the Selection Options group box to generate this transaction for a specific sold to customer.
Ship To Customer	Select a valid ship to customer. This field is only available for entry and is required if you elect in the Selection Options group box to generate this transaction for a specific ship to customer.
Shipping ID	Select a valid shipping ID. This field is only available for entry and is required if you elect in the Selection Options group box to generate this transaction for a specific shipping ID.
Re-Generate Message	Select this option to regenerate a message for sales orders that have already been sent out.

Note. When you navigate to the process monitor and wait till the process completes successfully, you can click the Details link and then the View Log/Trace link. This shows the output file as a link. The system generates the flat file to reflect the ASN information for the corresponding shipping ID.

Message Separation

PeopleSoft Inventory creates a single occurrence of an ASN transaction for each combination of business unit, source business unit, sold to customer, ship to customer, shipping ID, carrier ID, and ship via. The transaction message also lists the ASN creation date and time, the source business unit's address, the vehicle ID, the quantity ordered, the shipping weight, and, if defined, the shipping container ID and container type.

PeopleSoft sends the generated transaction to the ship to customer, the sold to customer, or both.

Troubleshooting Information

The system does not create an ASN under the following circumstances:

- The shipment has not been through the Depletion process (INPDDEPL).
- The order is a drop ship or is for non-inventory items.
- The transaction has a demand source other than PeopleSoft Order Management.
- PeopleSoft Order Management is not installed.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Setting Up the Billing Invoice EIP

This section discusses setting up the Billing Invoice EIP.

Understanding the Billing Invoice EIP

This EIP sends invoices to customers. The Billing Invoice EIP meets X.12 EDI requirements of the 856 transaction set. Billing Invoice is an outbound asynchronous batch publish EIP. Enable the Billing Invoice EIP and run the Finalize Bills process (BIIVC000) to populate the BI_HDR_EC table. Once the data is in BI_HDR_EC, the outbound publish process can create the outbound message/flat file.

Before you can publish messages with the Billing Invoice EIP, you must:

Types of Setup	Steps
Complete PeopleTools setup	Activate the message (BILLING_INVOICE_NOTICE).
Complete application setup	Associate customers receiving Billing Invoice EIP messages with a preferred communication value of *XML Only* or *XML and Print*, and a document code of *Invoice*. The system provides these values as a default to the Standard Billing - Address Info page when you create a bill for this customer.
Complete Enterprise Utility setup	Activate the associated batch publish rule and specify the appropriate output for the message (an XML-based message or a flat file).

See Also

PeopleSoft Enterprise Order to Cash Common Information 8.9 PeopleBook, “Maintaining Contacts”

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, “Assigning Publishing Rules”

Pages Used to Process Billing Invoices

Page Name	Object Name	Navigation	Usage
Batch Publish Rules	EO_MSGPUBATCH	Enterprise Components, Integration Definitions, Batch Publish Rules	Set up publication rules. You must activate a publish rule for the publication messages you create to follow. This rule includes instructions on message chunking, if necessary.
Contact	CONTACT	Customers, Contact Information	Maintain information about each contact.
Contact Customer	CONTACT_CUST_PAGE	Click the Contact Customer Information link on the Contact page.	Build the relationship between the contact and the different customer IDs the contact serves or is associated with. If the contact is only associated with one customer, enter that customer on this page. If the contact is a broker, for example, use this page to establish the relationships with the multiple customers that the broker serves. Set up security options on the Self Service Security tab.
Contact Additional Info	CONTACT_ADDTL_INFO	Click the Additional Info link for a contact on the Contact Customer page.	Enter the preferred communication method for the selected document.

Activating Messages

To activate a message for publication:

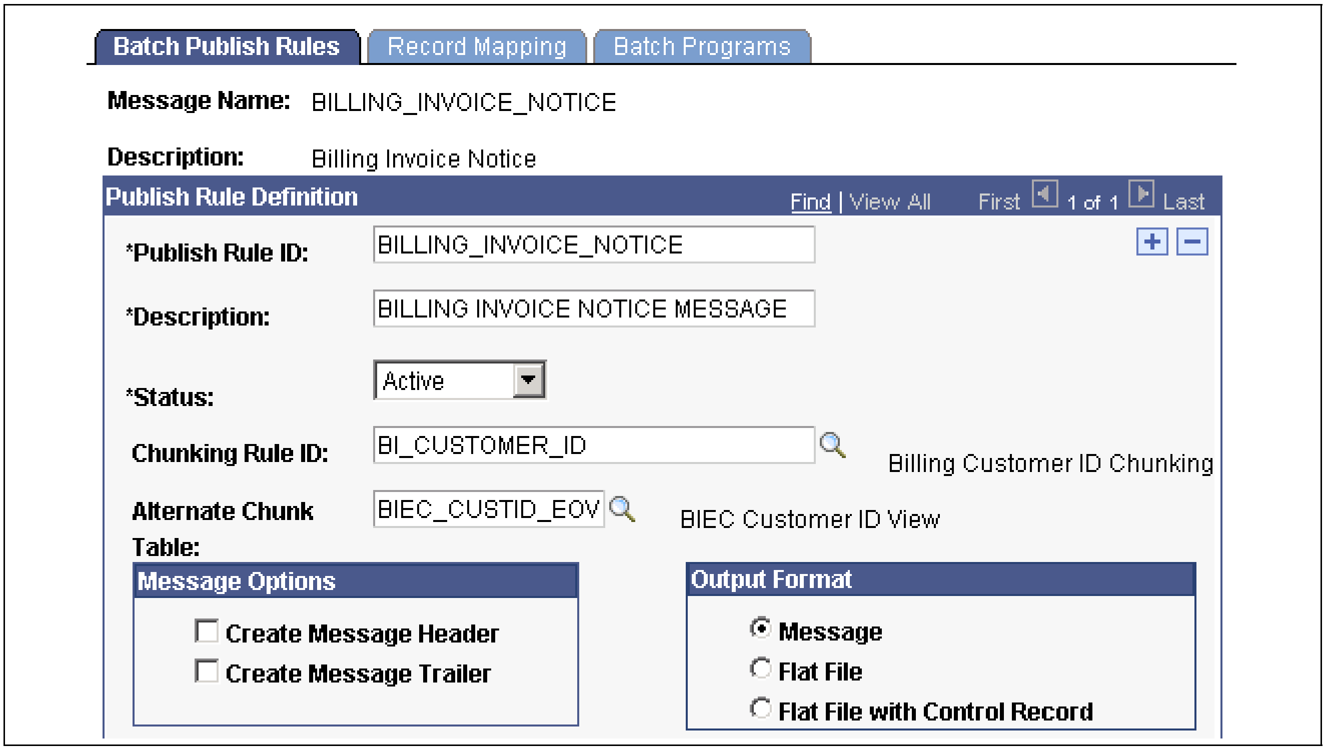
1. Open an instance of PeopleSoft Application Designer.
2. Select File, Open. The Open Object dialog box appears.
3. In the Definition drop-down menu, select *Message*, enter the message name in the Name field, and click Open. The message you specified opens.
4. Select File, Definition Properties. The Message Properties dialog box appears.
5. On the Message Properties dialog box, select the Use tab.
6. Select the Active check box to activate the message.
7. Click OK, then select File, Save to save the message.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Activate the Batch Publish Rule

Access the Batch Publish Rules page.



Batch Publish Rules page

1. Select *Active* Status to activate this publish rule definition for this message.
2. Select the appropriate Output Format. The PeopleSoft Application Engine program can create either an Extensible Markup Language (XML) message that flows through application messaging architecture or a flat file generated on the PeopleSoft Process Scheduler machine and not published elsewhere. Always select Message as your format when you send data to PeopleSoft systems, and Flat File if you are using EDI.
3. If you want to use message chunking, select a Chunking Rule ID.

See Also

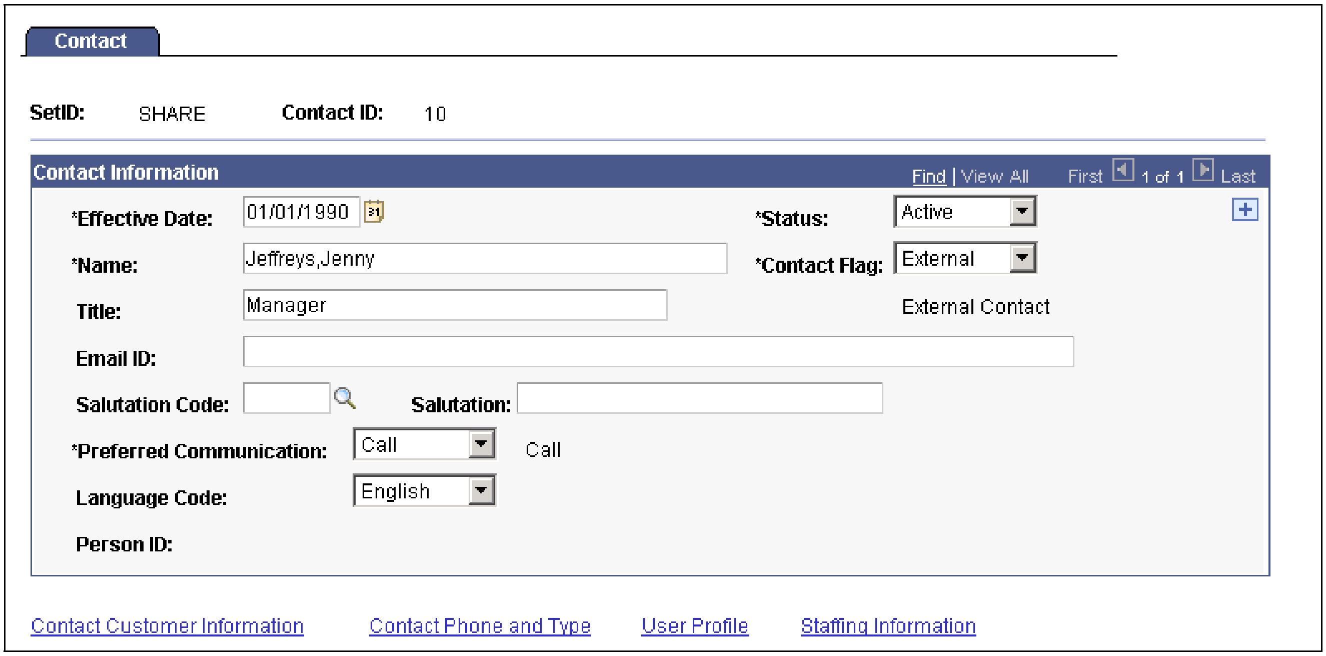
PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, “Assigning Publishing Rules”

Chapter 4, “Review EDI Messaging Examples,” Setting Up Chunking, page 67

Verifying Contacts

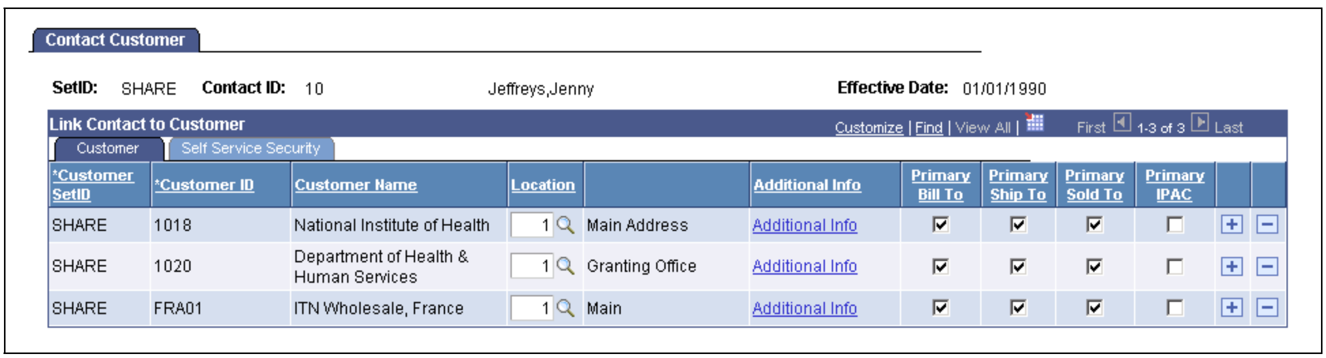
You must ensure that the customer you are interacting with has a contact set up to accept EDI transmissions, and that the contact is a Ship to Contact.

Access the Contact page using the Customer ID in correction mode.



Contact page

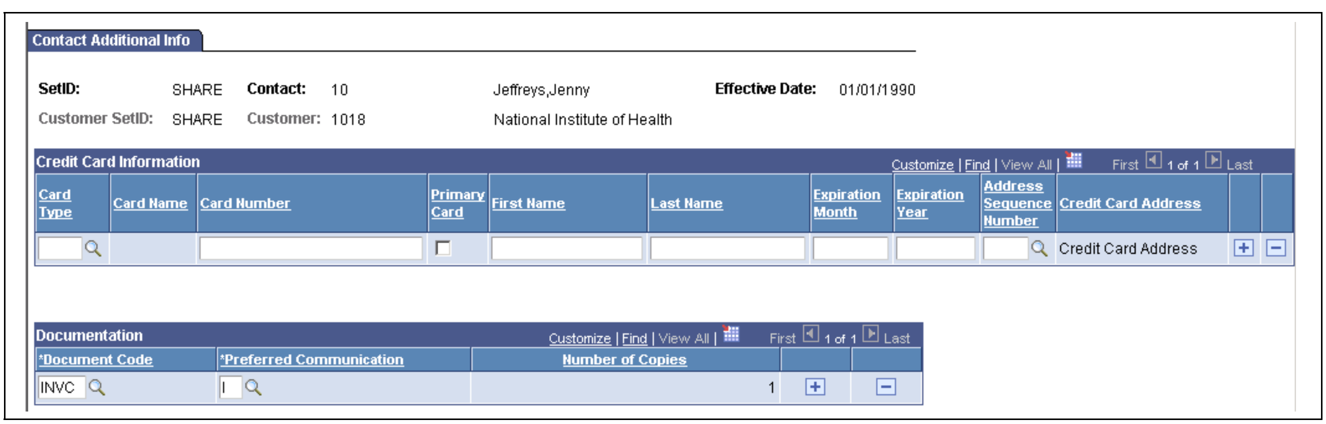
Access the Contact Customer page using the Contact Customer Information link.



Contact Customer page

Click the Primary Bill To check box to receive the proper invoice notifications.

Click the Additional Info link corresponding to the appropriate customer.



Contact Additional Info page

Under the Documentation group box, make sure the Document Code is *INVC* (invoice), and Preferred Communication is *R* (XML and Print) or *I* (XML only).

See Also

PeopleSoft Enterprise Order to Cash Common Information 8.9 PeopleBook, “Maintaining Contacts”

Processing the Billing Invoice EIP

This section discusses processing Billing Invoice EIPs.

See Also

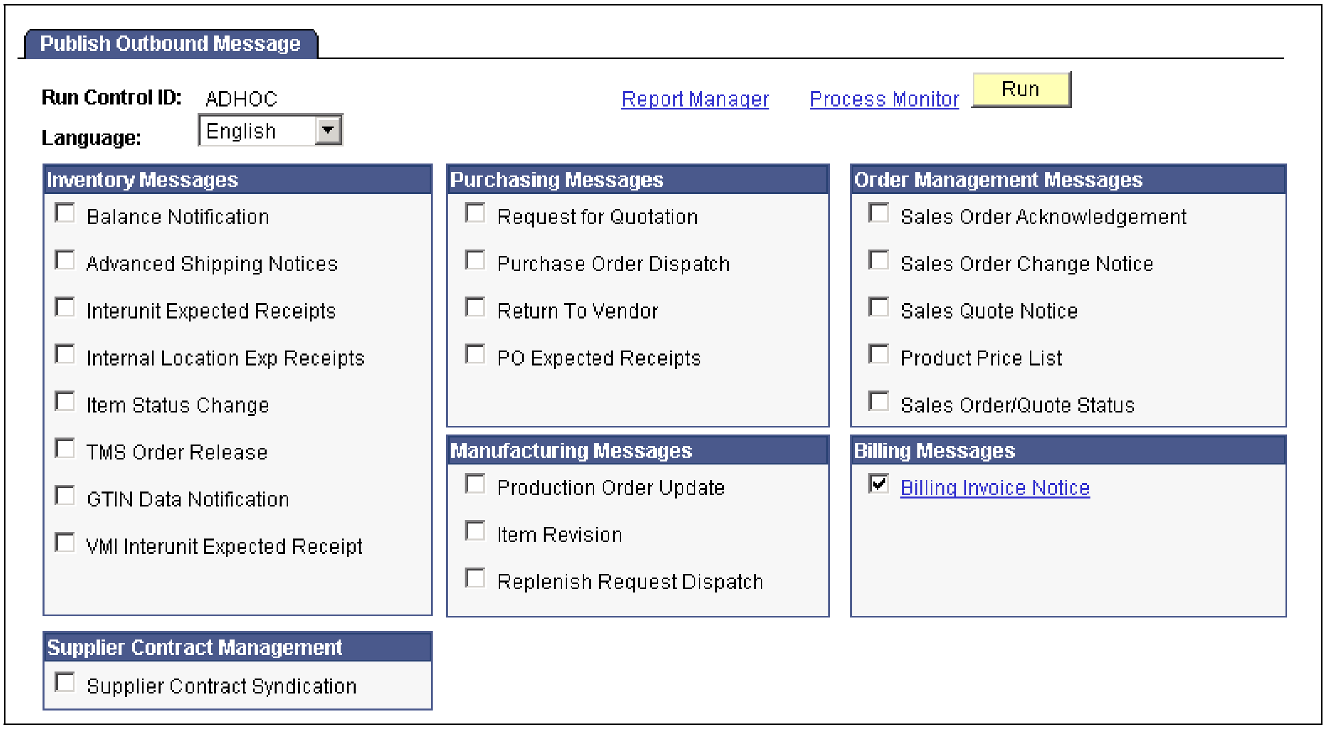
PeopleSoft Enterprise Billing 8.9 PeopleBook, “Processing EDI Transactions in PeopleSoft Billing”

Pages Used to Process the Billing Invoice EIP

Page Name	Object Name	Navigation	Usage
Publish Outbound Message	IN_RUN_PUB_MSG	SCM Integrations, Publish Outbound Message	Initiate the outbound message publish process for outbound SCM messages that use the batch publish design pattern.
Billing Invoice Notice Message Selection Criteria	BI_INVMSG_SEL_PNL	Select Billing Invoice Notice on the Publish Outbound Message page to enable the Billing Invoice Notice link. Click the Billing Invoice Notice link to launch the Billing Invoice Notice Message Selection Criteria page.	Launch the Billing Invoice Notice outbound transaction.

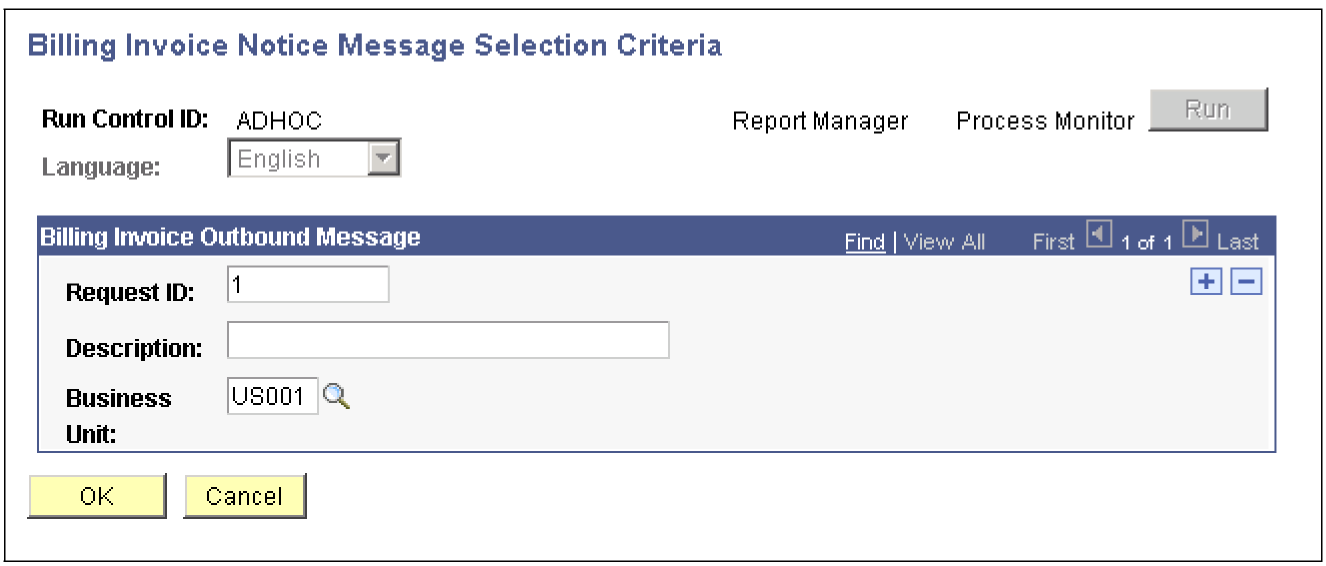
Publishing Billing Invoices

Access the Publish Outbound Message page.



Publish Outbound Message page

Click the Billing Invoice Notice check box, and click the Billing Invoice Notice link to access the Billing Invoice Notice Selection Criteria page.



Billing Invoice Notice Message Selection Criteria

Enter a Request ID, Description, and Business Unit.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Setting Up Chunking

When publishing application messages, you can elect to set up chunking. Chunking is an optional step with batch publish messages. When chunking, the system automatically breaks up messages into several smaller messages based on the values in one or more of the fields in the level zero record.

Consider, for example, that you want to send EDI messages directly to a trading partner. When sending purchase orders directly to a vendor, you want to ensure that the vendor receives only their own transactions. Chunking enables you to split a batch of purchase orders into separate messages, based on the trading partner. The Integration Broker provides tools to route the message to specific nodes, based on the trading partner identification (in this example, the vendor ID).

To set up chunking you:

- Associate chunking rules to publication rules.
- Map nodes to a chunk rule.
- Assign the business units to a chunk rule.
- Specify the OnRoute PeopleCode.

Page Used to Set Up Chunking

Page Name	Object Name	Navigation	Usage
Add Nodes to Chunk Rule	EO_ADNODECHUNK_PNL	Enterprise Components, Integration Definitions, Map Chunking Rules, Node to Chunk Rule	Map PeopleSoft Application Messaging nodes to chunking rules. (A node is a PeopleTools object that represents a publishing or subscribing system on the message network. A message node often relates to an application server or database name.)

Associating Chunking Rules to Publication Rules

If the data you're transmitting won't fit in a single message, or if you want to send different parts of the message to different target systems, set up the rules to chunk the message and associate it with your publish rule. The business unit and setID chunking rules are standard in PeopleSoft applications, but you can customize your own chunking rules.

To associate a chunking rule to the publication rule:

1. Access the Batch Publish Rules page.
2. Use the Publish Rule ID field to select the name of the message for which you're setting up rules.
3. Select a status of *Active*.
4. In the Chunking Rule ID field, select the name of the field by which you want to chunk the message. The message you publish is routed based on this field.
5. In the Alternate Chunk Rule ID field, select an additional field by which to chunk the message, if required.
6. Save and repeat the process for each required message rule.

Note. Some SCM application use page specific chunking rules.

See Also

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Assigning Publishing Rules," Setting Up Message Chunking

Mapping Nodes to Chunk Rules

A node is a PeopleTools object that represents a publishing or subscribing system on the message network. A message node often relates to an application server or database name.

To map nodes to a chunk rule:

1. Access the Add Nodes to Chunk Rule page.
2. In the Add column, select the check box next to the nodes that you defined earlier.
3. Click the Save button to call up the Add Chunk Values column

Add Chunk Values	In this column, click the Add button to open the Quick Map page for the message that you defined earlier.

See Also

PeopleSoft Enterprise Components for Financials, Enterprise Service Automation and Supply Chain Management 8.9 PeopleBook, "Assigning Publishing Rules," Setting Up Message Chunking

Set Up the OnRoute PeopleCode

To set up the OnRoute PeopleCode:

1. Open up an instance of PeopleSoft Application Designer.
2. Select File, Open.
3. In the Definition drop-down menu, select Message and enter the message name in the Name field.
4. Click Open.

   The system opens the Message Definition.
5. Select View, View PeopleCode.
6. From the PeopleCode Event drop-down menu, select OnRouteSend.

   The system displays the PeopleCode editor.

   The following is an example of OnRoute Send PeopleCode:

   ```
   Declare
   Function GetNodes PeopleCode FUNCLIB_INEIP_PUBLISH_ROUTE_PC FieldForumula;GetNodes
   (" ");
   ```
7. Click Save to save the Message Definition.

CHAPTER 5

Upgrading PeopleSoft EDI Transactions From PeopleSoft 7.5 to PeopleSoft 8.x

This chapter provides an overview of the PeopleSoft EDI Manager upgrade and discusses how to:

- Compare key features of PeopleSoft EDI Manager and PeopleSoft Integration Broker in PeopleTools 8.4x.
- Identify PeopleSoft EDI Manager upgrade paths.
- Review the differences between PeopleSoft 7.5 flat file EDI processing and PeopleSoft 8.x flat file EDI processing.
- Obtain file layouts.

Understanding the PeopleSoft EDI Manager Upgrade

PeopleSoft EDI Manager is a flat file-oriented tool used to import and export data between application tables and third-party systems. The publish-and-subscribe architecture of PeopleSoft's application messaging technologies enables more zero-latency data transmittal, direct business-to-business communication, and Extensible Markup Language (XML) adoption.

Note. Many customers use PeopleSoft EDI Manager to load legacy data or implement batch interfaces with other applications. PeopleSoft recommends that you use FLOs instead of EDI maps for this purpose. There is no direct upgrade path from the EDI map definition to the File Layout Definition (FLD). But PeopleSoft EDI Manager records can be reused in FLDs, which can be accessed through PeopleCode and PeopleSoft Application Engine. This chapter addresses the traditional EDI processing, which involves external trading partners and standard EDI formats, such as X12 or EDIFACT.

Comparing Key Features of PeopleSoft EDI Manager and PeopleSoft Integration Broker in PeopleTools 8.4x

The following table compares PeopleSoft EDI Manager and PeopleSoft Integration Broker in PeopleTools 8.4x at a feature level:

Feature	PeopleSoft EDI Manager	PeopleTools 8.4x
Trading partner linkage to internal customer, vendor, bank, setup data	Yes	No.
Transaction preferences by Trading Partner ID (TPID)	Yes	Yes, by nodes, using PeopleSoft Integration Broker.

Feature	PeopleSoft EDI Manager	PeopleTools 8.4x
Data conversion by TPID	Yes	Yes, using PeopleSoft Integration Broker transformation features.
Action code conversion	Yes	Yes, through PSCAMA usage.
Data conversion by map	Yes	Yes, PeopleSoft Integration Broker transformation features.
Special PeopleSoft conversions (setID , assignment, date/time, operator ID, process instance, aggregate/apportion)	Yes	You can accomplish most of these using either PeopleCode or PeopleSoft Integration Broker transformation features.
Flat file support: Structured	Yes	Yes
Flat file support: CSV	Yes	Yes
Flat file support: XML	No	Yes
Document routing	Supports writing to different subdirectories by trading partner	Using batch publish message routing or a flat file utility. PeopleSoft EDI Manager routes data to specific trading partners by specifying to which subdirectories to write during processing. PeopleTools 8.4x offers more processing options. For example, you can dispatch purchase orders to specific vendors in the following ways: • Direct to a web-enabled server. • Dump to a subdirectory accessible by the value-added network (VAN) operating between the trading partners. • Place in an XML file transferred to the vendor using either FTP or HTTP Connector in PeopleSoft Integration Broker. In each of these cases, each transaction is self-contained within a single message (though a single message may contain multiple transactions). Each message becomes a single flat file on the target node when it's configured for file processing, and no index or list file is generated for outbound transactions. If an EDI transaction implementation requires both document routing and target-specific formatting, use a combination of batch publish support and application-specific formatting.

Feature	PeopleSoft EDI Manager	PeopleTools 8.4x
Audit log	Yes	Using application messaging logs.
Supports writing to multiple files based on record types (for example, header and detail)	No	Yes, with PeopleCode and multiple message definitions.
Supports multiple document types per file	Yes	Yes. SetFileID method within the FLO.

Note. In PeopleSoft 7.5, the EDI Manager supports the concept of a generic trading partner ID that is linked to customers, vendors, banks, and so forth. It provides a rudimentary mapping function to link the ID to the internal customer value. Many customers prefer using translation software to map this data. Therefore, inbound data to PeopleSoft requires the actual customer or vendor ID stored within the application tables. If an invalid ID is transmitted, an error condition is reported.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Identifying PeopleSoft EDI Manager Upgrade Paths

When communicating with your trading partners, you have several options for data transportation. You can use value added networks (VANs), direct internet connections, or FTP. You must decide whether to preserve the data in XML format or transform it into a standard EDI format, such as X12 or EDIFACT.

Note. Manual upgrade steps still exist. Modifications to most of the EDI transactions existing in PeopleSoft 7.5 and prior include additional data elements. Map these new fields within translator products as needed and notify the trading partners. Obtain any necessary adapters directly from transformation vendors. PeopleSoft and its EDI partners have certified PeopleSoft 8.x XML messages. Find the right syntax of specific message formats (headers, body, trailers, and so on) and other technical and setup specifications of XML messaging in the EIP Catalog and the PeopleSoft Software Development Kit documentation.

This section discusses the following upgrade paths:

- Communicate directly with your trading partners using XML.
- Integrate XML messaging and standard EDI formats, such as X12 or EDIFACT.
- Continue to exchange flat file information between your EDI translator or FTP system.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Communicating Directly With Your Trading Partners Using XML

Work with each trading partner who transmits data using HTTP. Partners accustomed to exchanging EDI transactions using EDI Manager flat files must adapt the PeopleSoft Application Messaging architecture. They may also need to translate between different XML formats.

Note. This path is most useful for bringing new trading partners into your eCommerce network.

Consider the following advantages when using this upgrade path:

- Batch window elimination: transmit data with near-zero latency between trading partners.
- Small- to mid-size trading partners use browser-based forms to exchange XML data directly with internal systems.
- VAN charge elimination.
- Completely internet-based, using generally available tools (for example, parsers and style sheets).

Consider the following disadvantages when using this upgrade path:

- Major impact on trading partners.
- No upgrade path from customer PeopleSoft EDI Manager transactions to messages. However, message data elements are similar to those in EDI business document files.
- New configuration required to use messaging technology.

Sending Outbound XML Messages to a Trading Partner

To send outbound XML messages to a trading partner:

1. If necessary, use PeopleSoft Integration Broker to build a transformation that maps the PeopleSoft XML message to the trading partner's XML message.
2. Define a PeopleSoft message node to represent the trading partner, and activate the appropriate messages.

   The specified URL points to the trading partner's web server.
3. If the trading partner uses one of the industry-standard connectors packaged with the PeopleSoft Integration Broker, configure the node to use this connector.
4. If the trading partner does not support any industry-standard connectors, build a connector to transport XML data, and register the connector on the PeopleSoft Gateway.
5. Initiate your publish functions within the PeopleSoft applications.

Receiving Inbound XML Messages from a Trading Partner

To receive inbound XML messages from a trading partner:

1. If necessary, use PeopleSoft Integration Broker to build a transformation that maps the trading partner's XML message to the PeopleSoft XML message.
2. Define a node within PeopleSoft to receive this data, activate the appropriate messages, and configure the application server to invoke a subscription process.
3. If the trading partner uses one of the industry-standard connectors packaged with PeopleSoft Integration Broker, configure the node to use this connector.
4. Configure the trading partner's system so that it posts to the proper connector on the PeopleSoft Gateway.
5. Begin receiving data from your trading partner.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Tools

Integrating XML Messaging and Standard EDI Formats Such as X12 or EDIFACT

In this scenario, PeopleSoft exchanges EDI data through messaging with the transformation software. Most EDI vendors now support XML formats and can receive XML messages, translate the fields to standard EDI field formats, such as X12 or EDIFACT, and write the data to a flat file. (They can also deposit the EDI transactions onto the VAN of your choice.) Conversely, they can also receive inbound transactions from the VAN, map the fields to PeopleSoft XML format, and publish a message to the PeopleSoft web server.

Note. This is the best approach for maintaining your investment in translation software while using PeopleSoft Integration Broker architecture. It is not a strong option if your current translation software does not support XML.

Consider the following advantages when using this upgrade path:

- Batch windows reduction: data can be transmitted between PeopleSoft and the translation software with zero latency, then pooled into appropriate batches for transmission to the VAN.
- Preserves investment in EDI standards support, minimizing impact to trading partners because they receive the same basic documents as they did in PeopleSoft 7.5.
- Removes dependency on PeopleSoft EDI Manager.
- Provides a stepping stone to pure XML business-to-business architecture.
- Uses delivered PeopleSoft EDI messaging.

Consider the following disadvantages to using this upgrade path:

- Requires major EDI maps rewrite for the translation application or the VAN.
- Still incurs VAN charges.

Converting Existing Outbound Translation Maps to Use XML Messages

To convert existing outbound translation maps to use XML messages:

1. Purchase or customize new EDI maps to convert the XML data into the customer's required format, such as X12 or EDIFACT.
2. Define a PeopleSoft message node to represent the trading partner, and activate the appropriate messages.

   The specified URL points to the trading partner's web server.
3. If the translator uses one of the industry-standard connectors packaged with PeopleSoft Integration Broker, configure the node to use this connector.
4. If the trading partner does not support any industry-standard connectors, build a connector to transport XML data, and register the connector on the PeopleSoft Gateway.
5. Initiate your publish functions within the PeopleSoft applications.

Converting Existing Inbound Translation Maps to Use XML Messages

To convert existing inbound translation maps to use XML messages:

1. Purchase or customize new EDI maps to convert the customer format to XML data.
2. Define a node within PeopleSoft to receive this data, activate the appropriate messages, and configure the application server to invoke a subscription process.

3. If the translator uses one of the industry-standard connectors packaged with PeopleSoft Integration Broker, configure the node to use this connector.
4. If the trading partner does not support any industry-standard connectors, build a connector to transport XML data, and register the connector on the PeopleSoft Gateway.
5. Configure the trading partner's system so that it posts to the proper connector on the PeopleSoft Gateway.
6. Begin receiving data from your trading partner.

Exchanging Flat File Information Between Your EDI Translator or FTP System

This section discusses setup steps and specific field deltas that occur when translating between PeopleSoft application messages and FLOs.

See Understanding the Differences Between PeopleSoft 7.5 Flat File EDI Processes and PeopleSoft 8.x Flat File EDI Processes for a detailed description of the differences between EDI flat file processing in PeopleSoft 7.5 and PeopleSoft 8.x.

For outbound transactions, configure the batch publish utility to generate a flat file. Messages identified as outbound EDI messages have FLD set up to work with their associated batch publish rules. The flat file is deposited into a subdirectory accessible by the translation software. (Most EDI transformation software sweep subdirectories looking for available transaction files.) The format of these files closely matches previous PeopleSoft EDI Manager files, minimizing the changes in the process of mapping to the format.

For inbound transactions, you can load data into PeopleSoft using the Flat File utility. This utility reads a flat file that mimics PeopleSoft EDI Manager format, then publishes an XML message for the inbound EDI subscription processes. Messages identified as inbound EDI messages have FLD and file rules already set up. The files generated in this manner follow the same rules as messages, with these exceptions:

- A flat file message has the same field sequence as the XML message, but every field in the XML message has a tag.
- Fields in the flat file do not have a tag, as each field instead has a fixed position in each row within the file.
- Row IDs.

  ECFILEROWIDs from EDI maps still exist. These typically follow a pattern, though the pattern may differ from EDI transaction to EDI transaction. The ECFILEROWID is the first field for every record in the definition. The convention is as follows:

  ```
  Level1  000

  Level1  100

  Level2  200

  etc.
  ```

- Audit action.

  The AUDIT_ACTN field is defined on each record in the FLD. The file utilities copy this field between the record and the appropriate PSCAMA on a level-by-level basis. This field is defined as the second field for every record in the FLD. A blank audit action represents a record that did not have any changes to it; this record is included to preserve parent/child relationships. Thus, a lower level record may contain the changed data.

- A "control record" that determines the format of the file's layout exists at the top of each PeopleSoft EDI Manager flat file.

  This control record is commonly referred to as the "999" or "998" record. The 999 record specifies the trading partner identifiers related to the document's sender and receiver. These IDs resolve to a specific map format using a database query in PeopleSoft EDI Manager. The 998 record specifies the actual map name and transaction ID.

  The new FLO also supports control records. PeopleSoft Application Designer specifies the format of the record, which then instructs the file object processor how to interpret the record data. The convention used for PeopleTools 8.x EDI transactions becomes the 998 record.

  The following is the record specification:

  ```
  AAAAAAAAAABBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
  ```

  AAAAAAAAAA is the 10-character file layout ID. This is the 998 record.

  BBBB... is the file layout ID name of up to 30 characters.

  Note. Two EDI transactions continue to use PeopleSoft EDI Manager in PeopleSoft 8: Accounts Payable Voucher (inbound) and Payment (outbound).

Consider the following advantages when using this upgrade path:

- Maintains more legacy investment than other options.
- Minimizes impact to trading partners because standard EDI formats are still transmitted to the partner.
- Requires no additional investment in XML-based software.

Consider the following disadvantages when using this upgrade path:

- Maintains batch processing.
- Reduced performance due to multiple passes through the data (translator, file utility, and message).
- Maintains reliance on old PeopleSoft EDI Manager file formats.
- Does not provide direct trading partner communication.
- Still incurs VAN charges.

By providing flat file variations for each of the supported EDI transactions, PeopleSoft 8.x supports an upgrade path for EDI translator products. The partner products certified for PeopleSoft 7.5 and earlier on PeopleSoft EDI Manager migrate easily to support the new file layout objects. Most transactions retain the basic structure and contain relatively minor field changes.

In turn, the EDI translation software remaps the new versions of these transactions to standard EDI formats and further reduces any deltas. For example, if PeopleSoft has added a new field to a file for an invoice deemed irrelevant for the implementation, the translator can mask the field. Hence, the standard EDI format is generated in the same manner as prior releases.

Converting Standard EDI Flat File Outbound Transactions into PeopleSoft Business Document Flat File Format

To convert standard EDI flat file outbound transactions into PeopleSoft business document flat file format:

1. Modify existing maps making changes for row IDs, audit actions, control records, and any layout changes made in the latest versions.

2. With standard delivered PeopleSoft messages, update the appropriate batch publish rule to create a flat file, instead of XML messages
3. Activate the appropriate messages.
4. Initiate publish functions within your PeopleSoft applications.

Converting Standard EDI Flat File Inbound Transactions into PeopleSoft Business Document Flat File Format

To convert standard EDI flat file inbound transactions into PeopleSoft business document flat file format:

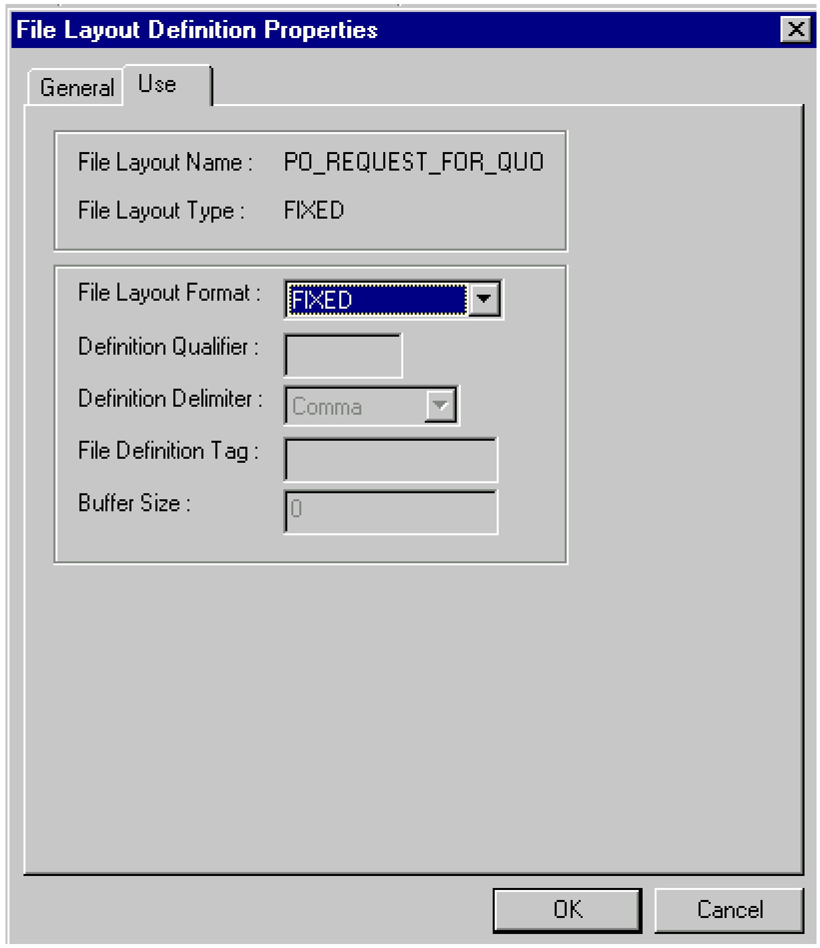
1. Modify existing maps making changes for row IDs, audit actions, control records, and any layout changes made in the latest versions.
2. Create a file rule to determine the directory that will receive the inbound transaction data, or update an existing file rule that's already associated with the message being transmitted with the destination of the subdirectory.
3. Set up appropriate messages to initiate inbound processing.
4. Begin receiving data from your trading partner.

See PeopleSoft 8.4 Enterprise Integration, "Activating Application Messaging EIPs"

See PeopleSoft 8.4 Enterprise Integration, "Establishing Publish Rules Using the Publish Utility"

Reviewing the File Layout Definition Properties Dialog Box

The following is an example of a File Layout Definition Properties dialog box. The layout type is fixed, as it was with PeopleSoft EDI Manager.



File Layout Definition Properties dialog box

The EDI transaction's data record structure appears as follows:

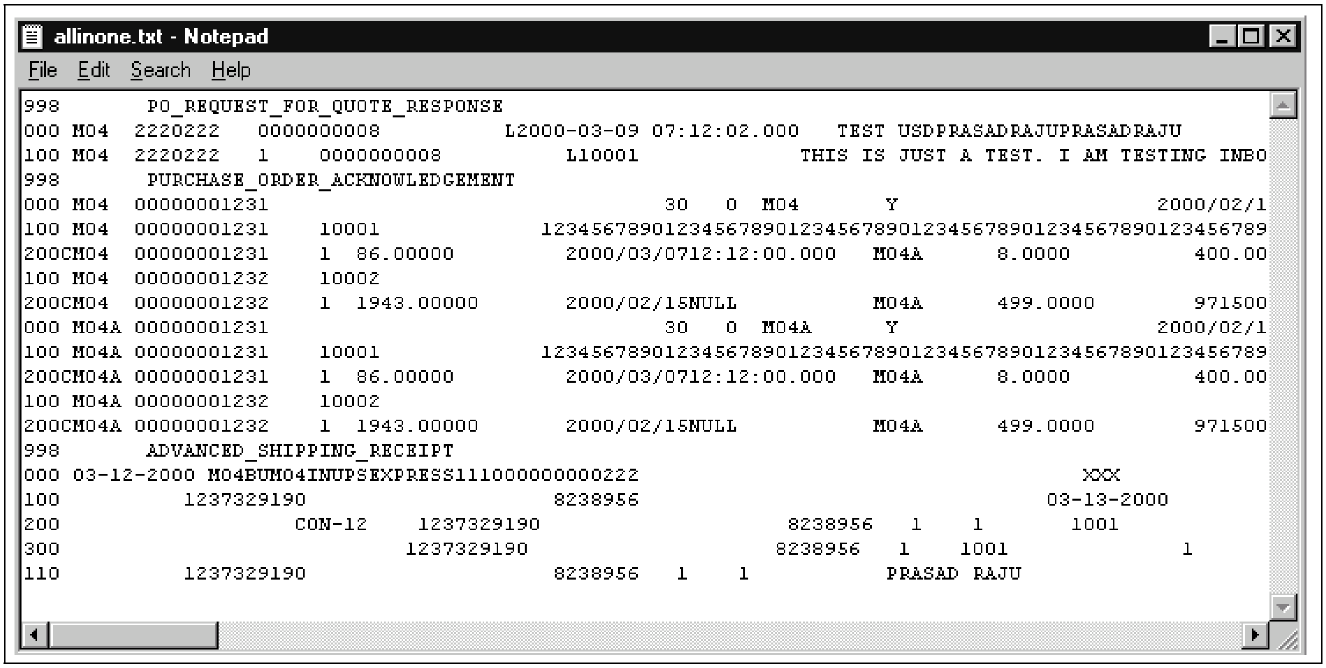
```
XXXYAAABBBBB
```

where:

- XXX is the three-character ECFILEROWID.
- Y is the one-character AUDIT_ACTN flag.
- AAABBBB.... are the fields.

Reviewing File Definitions

The following file example contains three distinct file definitions:




```
998       PO_REQUEST_FOR_QUOTE_RESPONSE
000 M04  2220222   0000000008          L2000-03-09 07:12:02.000   TEST USDPRASADRAJUPRASADRAJU
100 M04  2220222   1    0000000008         L10001             THIS IS JUST A TEST. I AM TESTING INBO
998       PURCHASE_ORDER_ACKNOWLEDGEMENT
000 M04  00000001231                               30   0  M04       Y                    2000/02/1
100 M04  00000001231    10001          12345678901234567890123456789012345678901234567890123456789
200CM04  00000001231    1  86.00000        2000/03/0712:12:00.000   M04A      8.0000          400.00
100 M04  00000001232    10002
200CM04  00000001232    1  1943.00000      2000/02/15NULL           M04A      499.0000        971500
000 M04A 00000001231                               30   0  M04A      Y                    2000/02/1
100 M04A 00000001231    10001          12345678901234567890123456789012345678901234567890123456789
200CM04A 00000001231    1  86.00000        2000/03/0712:12:00.000   M04A      8.0000          400.00
100 M04A 00000001232    10002
200CM04A 00000001232    1  1943.00000      2000/02/15NULL           M04A      499.0000        971500
998       ADVANCED_SHIPPING_RECEIPT
000 03-12-2000 M04BUM04INUPSEXPRESS111000000000222                                XXX
100          1237329190                  8238956                                03-13-2000
200                   CON-12    1237329190                  8238956   1    1       1001
300                            1237329190                  8238956   1    1001             1
110          1237329190                  8238956   1    1           PRASAD RAJU
```

File Definition

For this file definition example, consider the following:

- The PO_REQUEST_FOR_QUOTE_RESPONSE control record has a single transaction.
- The PURCHASE_ORDER_ACKNOWLEDGEMENT record has two transactions.
- The ADVANCED_SHIPPING_RECEIPT has a single transaction.

Reviewing Impacted Fields

Some message definition control fields are discarded during file processing.

PeopleSoft Application Messaging definitions contain record definitions that reuse or point to a record previously defined in PeopleSoft Application Designer. File Layout Designer, however, creates a copy of the record in a new file layout definition and enables you to add additional fields to each record definition. The File Layout Designer record and the original record definition become separated and do not share attributes.

PeopleSoft Application Messaging also implements a control record of its own, called the PeopleSoft Common Application Message Attributes record (PSCAMA). The PSCAMA contains attributes that specify what language code, process instance, message sequence, and audit action is used. The PSCAMA acts as a sibling record to every regular record in the message definition. One primary use of the PSCAMA is to determine whether a particular record of data has been updated, inserted, or deleted (the AUDIT_ACTN field).

Note. The file layout definition does not require a PSCAMA record.

Understanding the Differences Between PeopleSoft 7.5 Flat File EDI Processes and PeopleSoft 8.x Flat File EDI Processes

There exist only minor differences between the method you use to process EDI transactions in PeopleSoft 7.5 and the method you use to process in EDI transactions in PeopleSoft 8.x. In PeopleSoft 7.5, you use the EDI Manager to process EDI transactions. In PeopleSoft 8.x, you use application messaging to process EDI transactions.

The PeopleSoft EDI Manager is a flat file-oriented tool used to import and export data between application tables and third-party systems. Application messaging offers a more automated, timely, and efficient way to send data across systems then was previously available. The publish and subscribe architecture of PeopleSoft application messaging technologies enables more zero-latency data transmittal, direct business-to-business communication, and Extensible Markup Language (XML) adoption.

In PeopleSoft 8.x, you maintain the ability to process EDI transactions using flat files. This flexibility enables you to transition to the publish and subscribe technology as business requirements and trading partner relationships demand this functionality.

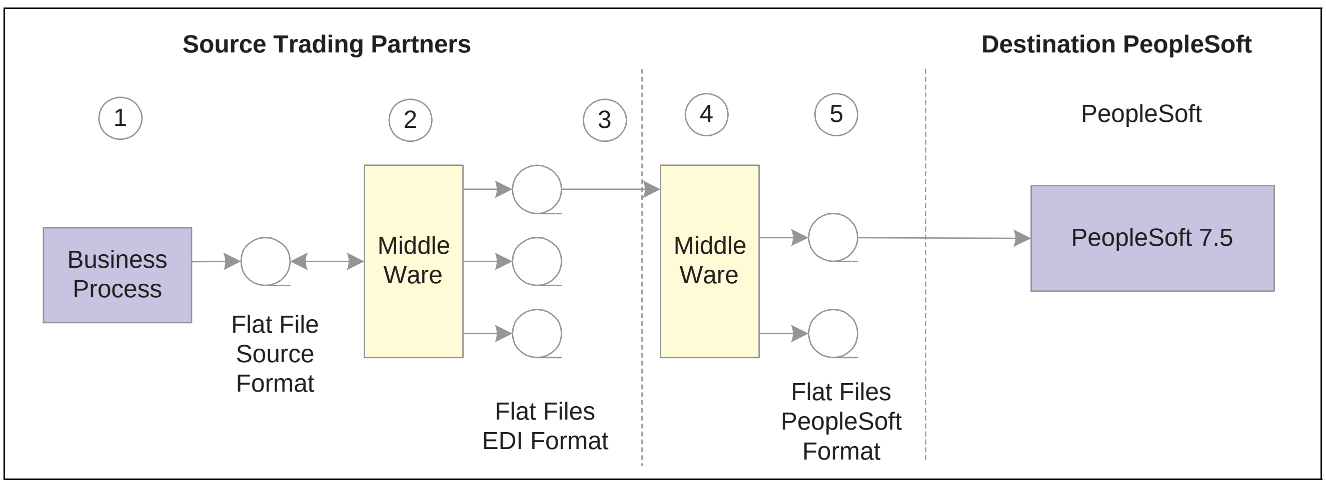
This section provides overviews of:

- The inbound process using flat files in PeopleSoft 7.5 and 8.x.
- The outbound process using flat files in PeopleSoft 7.5 and 8.x.

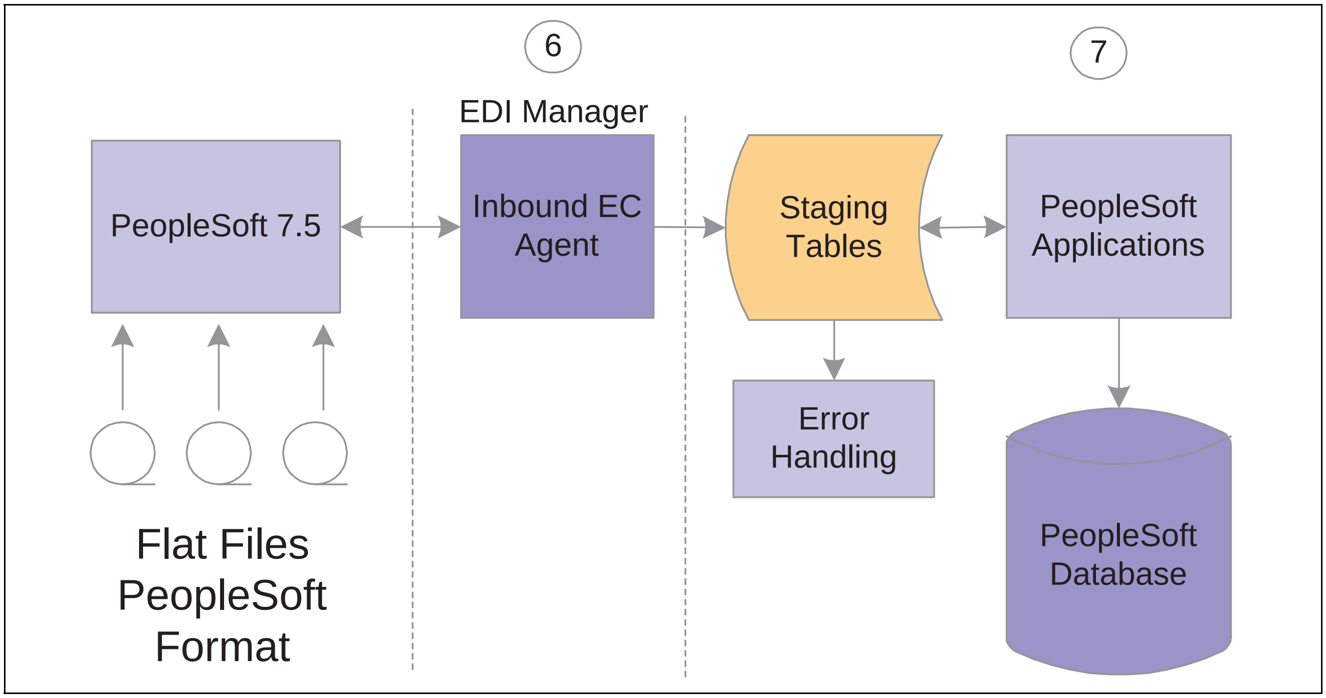
Note. You can process EDI transactions using multiple methods from a source trading partner to a destination trading partner. This section describes a basic EDI transaction process flow for PeopleSoft 7.5 and PeopleSoft 8.x. There can be many variations on this theme.

Understanding the Inbound Process Using Flat Files in PeopleSoft 7.5 and PeopleSoft 8.x

The following diagrams illustrate the PeopleSoft 7.5 inbound flat file EDI transaction process:

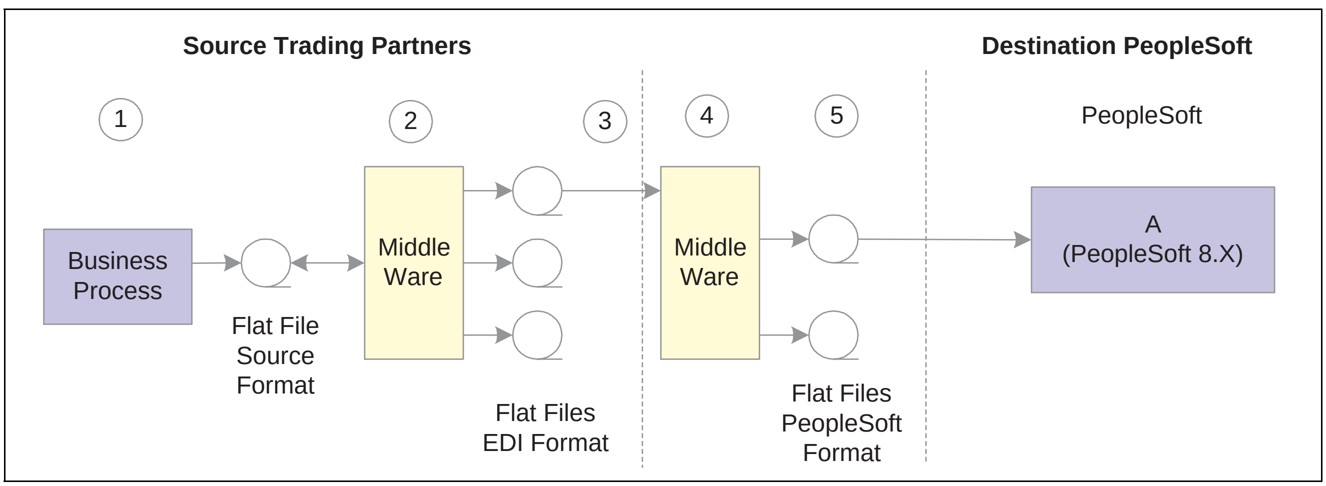


PeopleSoft 7.5 Inbound Flat File EDI Transaction Process (1 of 2)

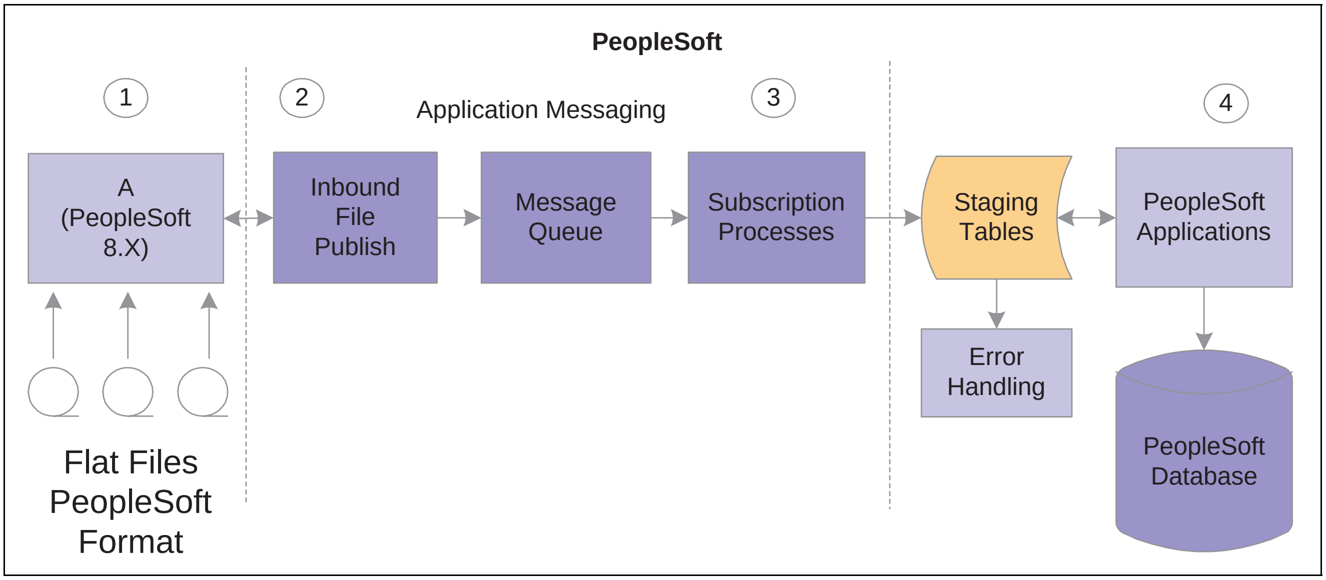


PeopleSoft 7.5 Inbound Flat File EDI Transaction Process (2 of 2)

The following diagrams illustrate the PeopleSoft 8.x inbound flat file EDI transaction process:



PeopleSoft 8.x Inbound Flat File EDI Transaction Process (1 of 2)



PeopleSoft 8.x Inbound Flat File EDI Transaction Process (2 of 2)

Processing Inbound Flat File EDI Transaction Processes in PeopleSoft 7.5

To process inbound flat file EDI transaction in PeopleSoft 7.5:

1. The source trading partner initiates a process that generates a flat file containing EDI transactions in the sources format.
2. The file is passed to a middleware translation tool that generates an outbound file in the appropriate EDI format (X.12, EDIFACT, etc).

   Depending on the relationship with various trading partners' data mapping, transformations may occur at this point to meet trading partne-specific mapping requirements. The formatted file is then sent on to the source trading partner's VAN—a private network used for exchanging EDI transactions. However, networks can also be the Internet, a dedicated link, or a sole-source provider.
3. The source trading partner's VAN distributes the flat file to the destination trading partner's VAN.

   The source trading partner and destination trading partner can use the same VAN.
4. The destination trading partner receives the flat file from the VAN.

   A middleware tool is used to convert the source file into the appropriate PeopleSoft Business Document file format. This process includes a conversion from the sources EDI format (X.12, EDIFACT, etc). Additional translation requirements may be required if the source trading partner is sending a generic file that does not meet the destination trading partner's data requirements.
5. The destination trading partner performs the Inbound EC Agent process (EDI Manager) in PeopleSoft to load the transactions into staging tables.

   The Inbound EC Agent process inputs the electronic data flat file, translates the data using the PeopleSoft Business Document layout, and stages the data into the staging tables.
6. PeopleSoft applications initiate processes that read the transactions from the staging tables, perform validations, and load the data to the actual PeopleSoft application database tables.
7. If errors are found in the transactions, use error handling to fix the errors and resubmit the transactions.

Note. The mapping functions (mapping to and from the standard EDI formats) may be done at the source trading partner's site, the source or destinations VAN, or at the destination trading partner's site, depending on the relationship established with the trading partners and the VANs.

Processing Inbound Flat File EDI Transaction Processes in PeopleSoft 8.x

To process inbound flat file EDI transactions in PeopleSoft 8.x:

1. Perform steps 1 through 4 highlighted in the Processing Inbound Flat File EDI Transaction Processes in PeopleSoft 7.5.

   In these first 4 steps, there exist some minor differences between PeopleSoft 7.5 and PeopleSoft 8.x. For example, some of the business document file layouts are different in PeopleSoft 8.x to take advantage of PeopleSoft 8.x application-level functionality, and to integrate with PeopleSoft 8.x processes that load the files.

2. The destination trading partner performs the Inbound File Publish process that changes the flat file transactions to application messages and then writes them to a message queue.

   The Inbound File Publish process inputs the electronic data flat file, translates the data using the PeopleSoft File Layout Definition and rules, and then publishes an application message.

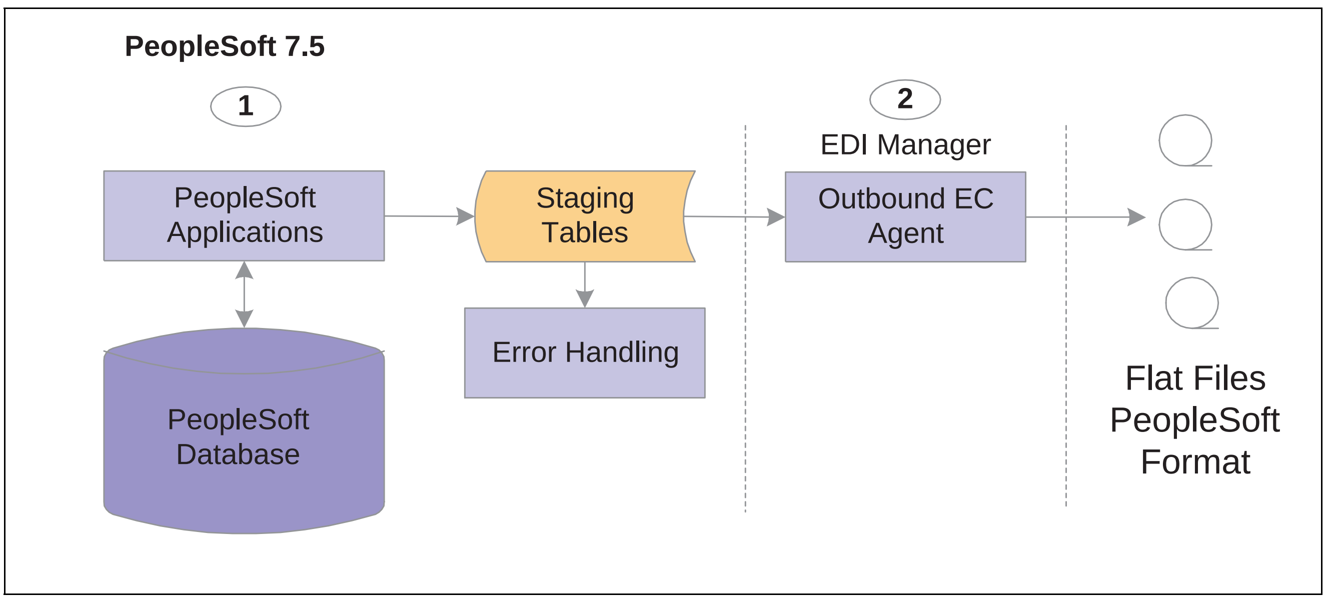
3. PeopleSoft Application Messaging subscription processes are automatically executed that retrieve the application messages from the message queue and then load the information into staging tables.

4. PeopleSoft applications initiate processes that read the transactions from the staging tables, perform validations, and load the data to the actual PeopleSoft application database tables.

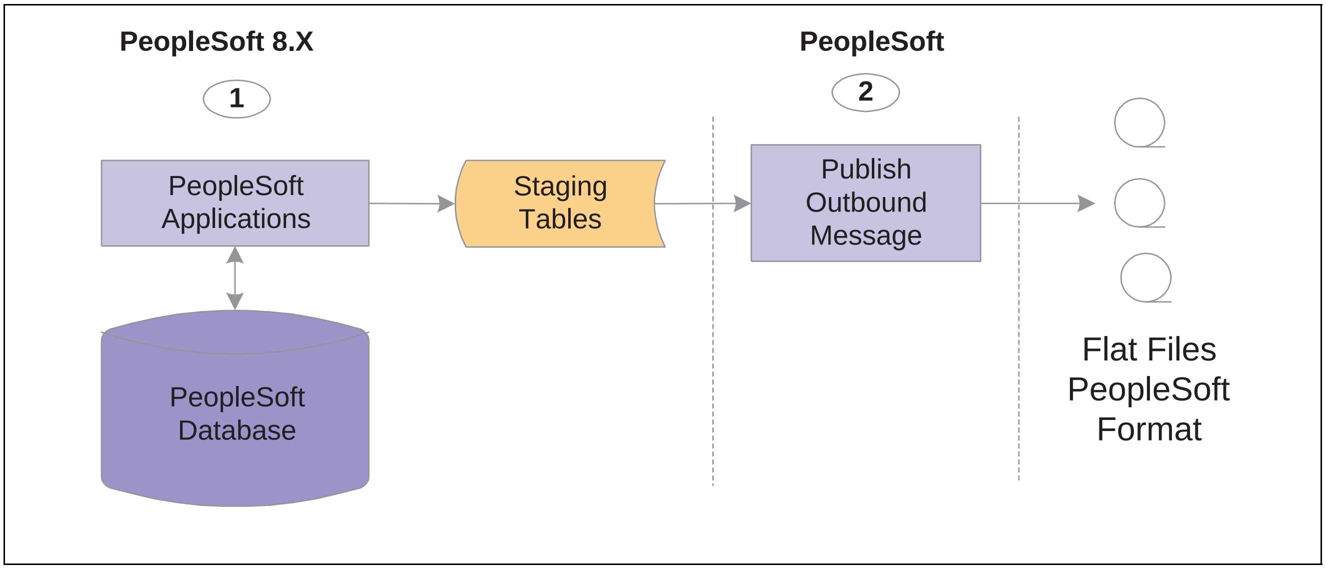
5. If any errors are found in the transactions, use error handling to fix the errors and to resubmit the transactions.

Understanding the Outbound Process Using Flat Files in PeopleSoft 7.5 and PeopleSoft 8.x

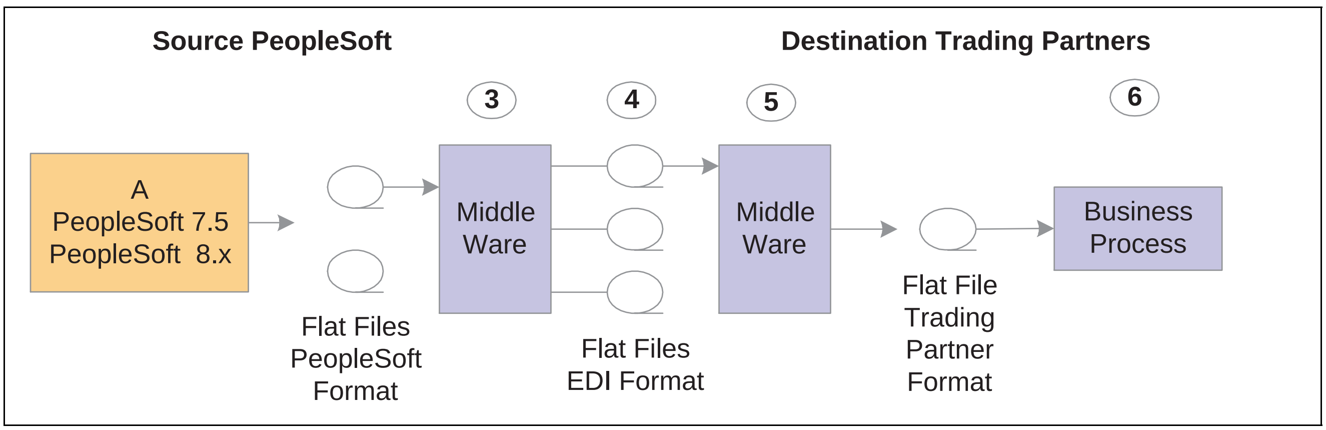
The following diagrams illustrate the PeopleSoft 7.5 and PeopleSoft 8.x outbound flat file EDI transaction process:



PeopleSoft 7.5 Outbound Flat File EDI Transaction Process



PeopleSoft 8.x Outbound Flat File EDI Transaction Processing



Outbound Flat File EDI Transaction Process for PeopleSoft 7.5 and PeopleSoft 8.x

Processing Outbound Flat File EDI Transaction Processes in PeopleSoft 7.5

To process outbound flat file EDI transaction in PeopleSoft 7.5:

1. The source trading partner initiates a PeopleSoft application process that retrieves the transactional data from the PeopleSoft application database tables and loads the EDI transactions into PeopleSoft staging tables, or prepares the data so it can be picked up by the EDI Manager process.
2. The source trading partner performs the Outbound EC Agent process (EDI Manager) in PeopleSoft to read the EDI transactions from the staging tables and generate a flat file.
3. The Outbound EC Agent process reads the staging tables, translates the data using the PeopleSoft Business Document layout, and generates a flat file.

   The file is passed to a middleware translation tool that generates an outbound file in the appropriate EDI format (X.12, EDIFACT, etc). Depending on the trading partner relationship, data mapping transformations may occur at this point to meet a trading partner's specific mapping requirements. The formatted file is then sent on to the source trading partner's VAN.
4. The source trading partner's VAN distributes the flat file to the destination trading partner's VAN.
5. The destination trading partner receives the flat file from the VAN.

A middleware tool is used to convert the source file into the format required for the destination trading partner's business application software.

6. The destination trading partner loads the flat file into their business application system.

Processing Outbound Flat File EDI Transaction Processes in PeopleSoft 8.x

To process outbound flat file EDI transactions in PeopleSoft 8.x:

1. The source trading partner initiates a PeopleSoft application process that retrieves the transactional data from the PeopleSoft application database tables and loads those EDI transactions into PeopleSoft staging tables, or prepares the data so it can be picked up by the Publish Outbound Message process.
2. The source trading partner performs the Publish Outbound Message process that retrieves the transactions from the staging tables or application tables and creates a flat file.

   The Outbound File Publish process reads the staging tables, translates the data using the PeopleSoft File Layout Definition and rules, and generates a flat file. The flat file is then sent to the VAN.
3. Perform steps 3 through 6 highlighted in the Processing Outbound Flat File EDI Transaction Processes in PeopleSoft 7.5 procedure.

Obtaining File Layouts

To obtain the file layout definitions for EDI transactions, view and print the file layouts directly from the PeopleSoft Application Designer.

This section provides an overview for obtaining file layouts, and discusses how to print a file layout for an EDI transaction.

Understanding File Layouts

The File Layout Definition report contains information necessary to assist you with your flat file EDI transaction processing. The report includes all fields in the file layout, the sequence of the fields, the type of field (character and number), the length of the fields, and the starting position of the fields.

The following are two examples of a file layout definition report:

Run Date : 06 May 2002 : 02 23 PM

Database :MG900DVL
PeopleSoft FileLayout Definition
FileLayout Definition Name : ADVANCED_SHIPPING_NOTICE

Page 1 of 20

Definition Name	Format	Definition ID	ID Start Pos	ID Length	File Name	Description
ADVANCED_SHIPPING_NOTICE	0		0	0		Outbound File Layout

Record Name	Max Length	Record ID	ID Start Pos	ID Length	Offset	Description
IN_ASN_SHIP_HDR	646	000	1	3	0	

Field Name	Seq No		Field Type	Decimal Pos	Date Format	Date Separator	Field Length
ECFILEROWID	1	Yes	Character				3
AUDIT_ACTN	2	Yes	Character				1
EIP_CTL_ID	3	Yes	Character				25
BUSINESS_UNIT	4	Yes	Character				5
SHIP_ID	5	Yes	Character				10
BILL_OF_LADING	6	Yes	Character				30
SETID	7	Yes	Character				5
CUST_ID	8	Yes	Character				15
SHIP_TO_CUST_ID	9	Yes	Character				15
ADDRESS_SEQ_NUM	10	Yes	Number	0			3
CARRIER_ID	11	Yes	Character				10
SHIP_TYPE_ID	12	Yes	Character				10
CUST_NAME	13	Yes	Character				40

File Layout Definition report for the Advanced Shipping Notice EDI transaction generated in the PeopleSoft Application Designer (1 of 2).

Run Date : 06 May 2002 : 02 26 PM

Database :MG900DVL
PeopleSoft FileLayout Definition
FileLayout Definition Name : ADVANCED_SHIPPING_NOTICE

Page 2 of 20

Start Pos	Offset	Inherit Record	Inherit Field	Default Value	Description
1	0			000	
4	0				
5	0				
30	0				
35	0				
45	0				
75	0				
80	0				
95	0				
110	0				
113	0				
123	0				
133	0				
173	0				

File Layout Definition report for the Advanced Shipping Notice EDI transaction generated in the PeopleSoft Application Designer (2 of 2).

Printing the File Layout for an EDI Transaction

To print the file layout for an EDI transaction:

1. Open an instance of the Application Designer.
2. Select File, Open.

   The Open Definition dialog box appears.
3. In the Definition drop down menu, Select File Layout, enter the EDI transaction name in the Name field, and click Open.

   The file layout definition you specified opens.
4. With the file layout definition open, select File, Print Preview.

The File Layout Definition Report appears for the file layout specified. Scroll through the report to view the complete file layout definition online.

5. In print preview mode, click the Print button.

   The File Layout Definition Report is routed and printed at the printer you select.

Chapter 6

Locating Additional Electronic Data Interchange Messaging Documentation

PeopleSoft provides several types of EDI documentation to assist you in utilizing and implementing EDI transactions. Each EDI transaction or application message is considered an Enterprise Integration Point (EIP).

This chapter discusses how to locate EDI documentation in the following areas:

- PeopleSoft Application PeopleBooks.
- PeopleSoft PeopleTools PeopleBooks.
- EIP Catalog.
- PeopleSoft Enterprise Integration PeopleBook.
- Working with Third-Party Applications PeopleBook (PeopleSoft 8.4) and the Supply Chain Management Integration PeopleBook (PeopleSoft 8.8)

Locating EDI Documentation in the PeopleSoft Application PeopleBooks

Information about EDI transactions that are supported by a particular PeopleSoft application are documented in the individual application PeopleBook. In the application PeopleBooks, documentation includes setup requirements for EDI transactions, and procedures for initiating the inbound or outbound process for the corresponding EDI transaction.

Locating EDI Documentation in the PeopleSoft PeopleTools PeopleBooks

The PeopleTools PeopleBooks provide technical details on the technology behind the EIPs. These books address application messaging. In addition, you use PeopleTools to view the file layouts for the individual EDI transactions.

Locating EDI Documentation in the Integration Services Repository (ISR)

The ISR is an online compendium of all EIPs delivered with PeopleSoft 8, listed from A to Z. It includes EIPs constructed by applications in the PeopleSoft Financials, Supply Chain Management, Human Resources Management, Customer Relationship Management, and Enterprise Performance Management product lines.

The ISR works in conjunction with application PeopleBooks to help users and implementation specialists fully explore PeopleSoft integration. It's useful to developers who want to understand the technical structure of an EIP, as well as what technologies and design patterns the EIP uses. The ISR also assists trading partners in determining if a relevant EIP has been developed and is readily available.

See Also

The Integration Services Repository (ISR)http://www.peoplesoft.com/corp/en/iou/isr/index.jsp

Locating EDI Documentation in the PeopleSoft Enterprise Integration PeopleBook

This book describes the PeopleSoft tools and technologies used for integrating a PeopleSoft system with one or more external PeopleSoft or third-party applications.

Open Integration Framework (OIF) is the foundation of this integration. OIF enables you to upgrade or purchase any PeopleSoft application and still retain the full benefit of your legacy software and systems—regardless of your enterprise's computing environment.

The technologies that support OIF, including PeopleSoft Application Messaging, PeopleSoft Business Interlinks, PeopleSoft Component Interfaces, and PeopleSoft Integration Broker, are what make possible this integration between two or more PeopleSoft applications, as well as between PeopleSoft applications and third-party software and systems.

Locating EDI Documentation in the Working with Third-Party Applications PeopleBook (PeopleSoft 8.4) and the Supply Chain Management Integration PeopleBook (PeopleSoft 8.8)

The PeopleSoft Working with Third-Party Applications PeopleBook (PeopleSoft 8.4) and the Supply Chain Management Integration PeopleBook (PeopleSoft 8.9) provide you with implementation and processing information for your PeopleSoft system. However, additional, essential information describing the setup and design of your system resides in companion documentation. The companion documentation consists of important topics that apply to many or all PeopleSoft applications across the Financials, Enterprise Service Automation, and Supply Chain Management product lines. You should be familiar with the contents of these PeopleBooks.

The following companion PeopleBooks apply specifically to PeopleSoft Working with Third-Party Applications.

- PeopleSoft PeopleTools PeopleBook
- PeopleSoft Enterprise Integration PeopleBook

CHAPTER 7

Reviewing Common Questions and Answers

This chapter provides frequently asked questions and answers.

Reviewing Frequently Asked Questions

The following frequently asked questions may help you address common issues:

Question	Answer
Do we need to setup the Web Server Integration gateway for EDI transactions when working with flat files?	Because all inbound EDI flat files are converted to XML messages and published to the local gateway node, it is recommended that you set up the Integration Gateway on your web server, in addition to setting up the publication and subscription service on your application server.
Do we need OnRoutePublication PeopleCode and/or OnRouteSubscription PeopleCode when we set up a Channel?	You probably will not have any need for OnRouteSubscription PeopleCode. However, if you are using the chunking features of the Batch Publish utility for outbound messages you may want to use the OnRoutePublication PeopleCode to direct different chunks of data to different VANs. But, if you are just sending the message to a single VAN then you will probably not have a need for this PeopleCode event.
On the Message Definition, do we need to put OnPublishTransform and/or OnSubscribeTransform PeopleCode?	Most likely you will not need this PeopleCode event unless you have done your own customizations. This would only be used if you had multiple versions of a message and wanted to convert from one to the other.
In the Application Designer, do we need to set up a Location for the Message Node (if using PSFT_EP (local), should not be necessary), but if need another node, what should this address be?	If using XML messages to and from external sources you should use http://<servername>/servlets/gateway (for 8.2, 8.1 and 8.0). The actual node name is defined in the gateway and it will use the attributes of that node name to determine the proper servlet to use (SimpleFileHandler, PeopleSoft servlet, or a customized servlet).
When would we use the psft.pt8.psfthandler.PeopleSoftHandler Handler on the gateway? (Prior to 8.4)	Only if you were receiving your EDI transactions via XML from an external source would you use this handler. If you received the fixed field flat file format then you use the Inbound File Publish utility. See details of using this utility in the PeopleSoft Enterprise Integration PeopleBook.

Question	Answer
What is the difference between using the SimpleFileHandler on the gateway or in using the Batch Publish Rule's Output Format of "Flat File"?	When using the SimpleFileHandler you are using application messaging to generate a message to be sent to the gateway. Once this message hits the gateway the SimpleFileHandler takes the message and instead of passing it onto a destination system creates a file with an XML format in the preassigned directory on the gateway. When using the Flat File option on the batch publish rule an application message is never generated. The Batch Publish utility directly generates a flat file as designated by the transactions File Layout Definition. The flat file is placed in the default directory on the process scheduler server processing the Outbound File Publish program.
Are there any examples of how message chunking is used?	Remember that chunking is only needed if you have requirements to break messages up by trading partner. If you are using a middleware product to actually determine trading partner destinations then a single message with all trading partner transactions can usually be sent directly to the middleware product. For an example of how to use Chunking look at the batch publish rules for the ADVANCED_SHIPPING_NOTICE Message. These batch publish rules were provided as examples to show the power of message chunking. In this example, the ADVANCED_SHIPPING_NOTICE rule is the standard rule used without chunking. If you want to chunk by Business Unit just attach the Business Unit chunk rule to the batch publish rule. You would also have to populate the Business Unit to node values in the chunk table and set up the OnRoutePublication Routing Rule on the Channel (For more information on Chunking see Introducing Chunking in the PeopleSoft Enterprise Integration PeopleBook. For more information on how to use the Advanced Shipping Notice chunk rules see the Data Rule section of the EIP Catalog for the Advanced Shipping Notice.) If you want to chunk by Ship To Customer then activate the ASN_SETID_SHIPTO batch publish rule. In this case you also need to populate the customer chunk rule table and setup the OnRoutePublication Routing Rule. If you want to chunk by Sold To Customer then setup the ASN_SETID_SOLDTO chunk rule, populate the customer chunk rule table and setup the OnRoutePublication Routing Rule.

Glossary of PeopleSoft Terms

absence entitlement This element defines rules for granting paid time off for valid absences, such as sick time, vacation, and maternity leave. An absence entitlement element defines the entitlement amount, frequency, and entitlement period.

absence take This element defines the conditions that must be met before a payee is entitled to take paid time off.

academic career In PeopleSoft Enterprise Campus Solutions, all course work that a student undertakes at an academic institution and that is grouped in a single student record. For example, a university that has an undergraduate school, a graduate school, and various professional schools might define several academic careers—an undergraduate career, a graduate career, and separate careers for each professional school (law school, medical school, dental school, and so on).

academic institution In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.

academic organization In PeopleSoft Enterprise Campus Solutions, an entity that is part of the administrative structure within an academic institution. At the lowest level, an academic organization might be an academic department. At the highest level, an academic organization can represent a division.

academic plan In PeopleSoft Enterprise Campus Solutions, an area of study—such as a major, minor, or specialization—that exists within an academic program or academic career.

academic program In PeopleSoft Enterprise Campus Solutions, the entity to which a student applies and is admitted and from which the student graduates.

accounting class In PeopleSoft Enterprise Performance Management, the accounting class defines how a resource is treated for generally accepted accounting practices. The Inventory class indicates whether a resource becomes part of a balance sheet account, such as inventory or fixed assets, while the Non-inventory class indicates that the resource is treated as an expense of the period during which it occurs.

accounting date The accounting date indicates when a transaction is recognized, as opposed to the date the transaction actually occurred. The accounting date and transaction date can be the same. The accounting date determines the period in the general ledger to which the transaction is to be posted. You can only select an accounting date that falls within an open period in the ledger to which you are posting. The accounting date for an item is normally the invoice date.

accounting split The accounting split method indicates how expenses are allocated or divided among one or more sets of accounting ChartFields.

accumulator You use an accumulator to store cumulative values of defined items as they are processed. You can accumulate a single value over time or multiple values over time. For example, an accumulator could consist of all voluntary deductions, or all company deductions, enabling you to accumulate amounts. It allows total flexibility for time periods and values accumulated.

action reason The reason an employee's job or employment information is updated. The action reason is entered in two parts: a personnel action, such as a promotion, termination, or change from one pay group to another—and a reason for that action. Action reasons are used by PeopleSoft Human Resources, PeopleSoft Benefits Administration, PeopleSoft Stock Administration, and the COBRA Administration feature of the Base Benefits business process.

action template
In PeopleSoft Receivables, outlines a set of escalating actions that the system or user performs based on the period of time that a customer or item has been in an action plan for a specific condition.

activity
In PeopleSoft Enterprise Learning Management, an instance of a catalog item (sometimes called a class) that is available for enrollment. The activity defines such things as the costs that are associated with the offering, enrollment limits and deadlines, and waitlisting capacities.

In PeopleSoft Enterprise Performance Management, the work of an organization and the aggregation of actions that are used for activity-based costing.

In PeopleSoft Project Costing, the unit of work that provides a further breakdown of projects—usually into specific tasks.

In PeopleSoft Workflow, a specific transaction that you might need to perform in a business process. Because it consists of the steps that are used to perform a transaction, it is also known as a step map.

address usage
In PeopleSoft Enterprise Campus Solutions, a grouping of address types defining the order in which the address types are used. For example, you might define an address usage code to process addresses in the following order: billing address, dormitory address, home address, and then work address.

adjustment calendar
In PeopleSoft Enterprise Campus Solutions, the adjustment calendar controls how a particular charge is adjusted on a student's account when the student drops classes or withdraws from a term. The charge adjustment is based on how much time has elapsed from a predetermined date, and it is determined as a percentage of the original charge amount.

administrative function
In PeopleSoft Enterprise Campus Solutions, a particular functional area that processes checklists, communication, and comments. The administrative function identifies which variable data is added to a person's checklist or communication record when a specific checklist code, communication category, or comment is assigned to the student. This key data enables you to trace that checklist, communication, or comment back to a specific processing event in a functional area.

admit type
In PeopleSoft Enterprise Campus Solutions, a designation used to distinguish first-year applications from transfer applications.

agreement
In PeopleSoft eSettlements, provides a way to group and specify processing options, such as payment terms, pay from a bank, and notifications by a buyer and supplier location combination.

allocation rule
In PeopleSoft Enterprise Incentive Management, an expression within compensation plans that enables the system to assign transactions to nodes and participants. During transaction allocation, the allocation engine traverses the compensation structure from the current node to the root node, checking each node for plans that contain allocation rules.

alternate account
A feature in PeopleSoft General Ledger that enables you to create a statutory chart of accounts and enter statutory account transactions at the detail transaction level, as required for recording and reporting by some national governments.

analysis database
In PeopleSoft Enterprise Campus Solutions, database tables that store large amounts of student information that may not appear in standard report formats. The analysis database tables contain keys for all objects in a report that an application program can use to reference other student-record objects that are not contained in the printed report. For instance, the analysis database contains data on courses that are considered for satisfying a requirement but that are rejected. It also contains information on

courses captured by global limits. An analysis database is used in PeopleSoft Enterprise Academic Advisement.

Application Messaging — PeopleSoft Application Messaging enables applications within the PeopleSoft Enterprise product family to communicate synchronously or asynchronously with other PeopleSoft and third-party applications. An application message defines the records and fields to be published or subscribed to.

AR specialist — Abbreviation for *receivables specialist.* In PeopleSoft Receivables, an individual in who tracks and resolves deductions and disputed items.

arbitration plan — In PeopleSoft Enterprise Pricer, defines how price rules are to be applied to the base price when the transaction is priced.

assessment rule — In PeopleSoft Receivables, a user-defined rule that the system uses to evaluate the condition of a customer's account or of individual items to determine whether to generate a follow-up action.

asset class — An asset group used for reporting purposes. It can be used in conjunction with the asset category to refine asset classification.

attribute/value pair — In PeopleSoft Directory Interface, relates the data that makes up an entry in the directory information tree.

audience — In PeopleSoft Enterprise Campus Solutions, a segment of the database that relates to an initiative, or a membership organization that is based on constituent attributes rather than a dues-paying structure. Examples of audiences include the Class of '65 and Undergraduate Arts & Sciences.

authentication server — A server that is set up to verify users of the system.

base time period — In PeopleSoft Business Planning, the lowest level time period in a calendar.

benchmark job — In PeopleSoft Workforce Analytics, a benchmark job is a job code for which there is corresponding salary survey data from published, third-party sources.

billing career — In PeopleSoft Enterprise Campus Solutions, the one career under which other careers are grouped for billing purposes if a student is active simultaneously in multiple careers.

bio bit or bio brief — In PeopleSoft Enterprise Campus Solutions, a report that summarizes information stored in the system about a particular constituent. You can generate standard or specialized reports.

book — In PeopleSoft Asset Management, used for storing financial and tax information, such as costs, depreciation attributes, and retirement information on assets.

branch — A tree node that rolls up to nodes above it in the hierarchy, as defined in PeopleSoft Tree Manager.

budgetary account only — An account used by the system only and not by users; this type of account does not accept transactions. You can only budget with this account. Formerly called "system-maintained account."

budget check — In commitment control, the processing of source transactions against control budget ledgers, to see if they pass, fail, or pass with a warning.

budget control — In commitment control, budget control ensures that commitments and expenditures don't exceed budgets. It enables you to track transactions against corresponding budgets and terminate a document's cycle if the defined budget conditions are not met. For example, you can prevent a purchase order from being dispatched to a vendor if there are insufficient funds in the related budget to support it.

budget period The interval of time (such as 12 months or 4 quarters) into which a period is divided for budgetary and reporting purposes. The ChartField allows maximum flexibility to define operational accounting time periods without restriction to only one calendar.

business activity The name of a subset of a detailed business process. This might be a specific transaction, task, or action that you perform in a business process.

business event In PeopleSoft Receivables, defines the processing characteristics for the Receivable Update process for a draft activity.

In PeopleSoft Sales Incentive Management, an original business transaction or activity that may justify the creation of a PeopleSoft Enterprise Incentive Management event (a sale, for example).

business process A standard set of 17 business processes are defined and maintained by the PeopleSoft product families and are supported by Business Process Engineering group at PeopleSoft. An example of a business process is Order Fulfillment, which is a business process that manages sales orders and contracts, inventory, billing, and so forth.

See also *detailed business process.*

business task The name of the specific function depicted in one of the business processes.

business unit A corporation or a subset of a corporation that is independent with regard to one or more operational or accounting functions.

buyer In PeopleSoft eSettlements, an organization (or business unit, as opposed to an individual) that transacts with suppliers (vendors) within the system. A buyer creates payments for purchases that are made in the system.

campus In PeopleSoft Enterprise Campus Solutions, an entity that is usually associated with a distinct physical administrative unit, that belongs to a single academic institution, that uses a unique course catalog, and that produces a common transcript for students within the same academic career.

catalog item In PeopleSoft Enterprise Learning Management, a specific topic that a learner can study and have tracked. For example, “Introduction to Microsoft Word.” A catalog item contains general information about the topic and includes a course code, description, categorization, keywords, and delivery methods. A catalog item can have one or more learning activities.

catalog map In PeopleSoft Catalog Management, translates values from the catalog source data to the format of the company’s catalog.

catalog partner In PeopleSoft Catalog Management, shares responsibility with the enterprise catalog manager for maintaining catalog content.

categorization Associates partner offerings with catalog offerings and groups them into enterprise catalog categories.

category In PeopleSoft Enterprise Campus Solutions, a broad grouping to which specific comments or communications (contexts) are assigned. Category codes are also linked to 3C access groups so that you can assign data-entry or view-only privileges across functions.

channel In PeopleSoft MultiChannel Framework, email, chat, voice (computer telephone integration [CTI]), or a generic event.

ChartField A field that stores a chart of accounts, resources, and so on, depending on the PeopleSoft application. ChartField values represent individual account numbers, department codes, and so forth.

ChartField balancing You can require specific ChartFields to match up (balance) on the debit and the credit side of a transaction.

ChartField combination edit	The process of editing journal lines for valid ChartField combinations based on user-defined rules.
ChartKey	One or more fields that uniquely identify each row in a table. Some tables contain only one field as the key, while others require a combination.
checkbook	In PeopleSoft Promotions Management, enables you to view financial data (such as planned, incurred, and actual amounts) that is related to funds and trade promotions.
checklist code	In PeopleSoft Enterprise Campus Solutions, a code that represents a list of planned or completed action items that can be assigned to a staff member, volunteer, or unit. Checklists enable you to view all action assignments on one page.
class	In PeopleSoft Enterprise Campus Solutions, a specific offering of a course component within an academic term. See also *course.*
Class ChartField	A ChartField value that identifies a unique appropriation budget key when you combine it with a fund, department ID, and program code, as well as a budget period. Formerly called *sub-classification.*
clearance	In PeopleSoft Enterprise Campus Solutions, the period of time during which a constituent in PeopleSoft Contributor Relations is approved for involvement in an initiative or an action. Clearances are used to prevent development officers from making multiple requests to a constituent during the same time period.
clone	In PeopleCode, to make a unique copy. In contrast, to *copy* may mean making a new reference to an object, so if the underlying object is changed, both the copy and the original change.
cohort	In PeopleSoft Enterprise Campus Solutions, the highest level of the three-level classification structure that you define for enrollment management. You can define a cohort level, link it to other levels, and set enrollment target numbers for it. See also *population* and *division*.
collection	To make a set of documents available for searching in Verity, you must first create at least one collection. A collection is set of directories and files that allow search application users to use the Verity search engine to quickly find and display source documents that match search criteria. A collection is a set of statistics and pointers to the source documents, stored in a proprietary format on a file server. Because a collection can only store information for a single location, PeopleSoft maintains a set of collections (one per language code) for each search index object.
collection rule	In PeopleSoft Receivables, a user-defined rule that defines actions to take for a customer based on both the amount and the number of days past due for outstanding balances.
comm key	See *communication key.*
communication key	In PeopleSoft Enterprise Campus Solutions, a single code for entering a combination of communication category, communication context, communication method, communication direction, and standard letter code. Communication keys (also called *comm keys* or *speed keys*) can be created for background processes as well as for specific users.
compensation object	In PeopleSoft Enterprise Incentive Management, a node within a compensation structure. Compensation objects are the building blocks that make up a compensation structure's hierarchical representation.

compensation structure	In PeopleSoft Enterprise Incentive Management, a hierarchical relationship of compensation objects that represents the compensation-related relationship between the objects.
component interface	A component interface is a set of application programming interfaces (APIs) that you can use to access and modify PeopleSoft database information using a program instead of the PeopleSoft client.
condition	In PeopleSoft Receivables, occurs when there is a change of status for a customer's account, such as reaching a credit limit or exceeding a user-defined balance due.
configuration parameter catalog	Used to configure an external system with PeopleSoft. For example, a configuration parameter catalog might set up configuration and communication parameters for an external server.
configuration plan	In PeopleSoft Enterprise Incentive Management, configuration plans hold allocation information for common variables (not incentive rules) and are attached to a node without a participant. Configuration plans are not processed by transactions.
constituents	In PeopleSoft Enterprise Campus Solutions, friends, alumni, organizations, foundations, or other entities affiliated with the institution, and about which the institution maintains information. The constituent types delivered with PeopleSoft Enterprise Contributor Relations Solutions are based on those defined by the Council for the Advancement and Support of Education (CASE).
content reference	Content references are pointers to content registered in the portal registry. These are typically either URLs or iScripts. Content references fall into three categories: target content, templates, and template pagelets.
context	In PeopleCode, determines which buffer fields can be contextually referenced and which is the current row of data on each scroll level when a PeopleCode program is running. In PeopleSoft Enterprise Campus Solutions, a specific instance of a comment or communication. One or more contexts are assigned to a category, which you link to 3C access groups so that you can assign data-entry or view-only privileges across functions. In PeopleSoft Enterprise Incentive Management, a mechanism that is used to determine the scope of a processing run. PeopleSoft Enterprise Incentive Management uses three types of context: plan, period, and run-level.
control table	Stores information that controls the processing of an application. This type of processing might be consistent throughout an organization, or it might be used only by portions of the organization for more limited sharing of data.
cost-plus contract line	A rate-based contract line associated with a fee component of Award, Fixed, Incentive, or Other. Rate-based contract lines associated with a fee type of None are not considered cost-plus contract lines.
cost profile	A combination of a receipt cost method, a cost flow, and a deplete cost method. A profile is associated with a cost book and determines how items in that book are valued, as well as how the material movement of the item is valued for the book.
cost row	A cost transaction and amount for a set of ChartFields.
course	In PeopleSoft Enterprise Campus Solutions, a course that is offered by a school and that is typically described in a course catalog. A course has a standard syllabus and credit level; however, these may be modified at the class level. Courses can contain multiple components such as lecture, discussion, and lab. See also *class.*

course share set	In PeopleSoft Enterprise Campus Solutions, a tag that defines a set of requirement groups that can share courses. Course share sets are used in PeopleSoft Enterprise Academic Advisement.
current learning	In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's in-progress learning activities and programs.
data acquisition	In PeopleSoft Enterprise Incentive Management, the process during which raw business transactions are acquired from external source systems and fed into the operational data store (ODS).
data cube	In PeopleSoft Analytic Calculation Engine, a data cube is a container for one kind of data (such as Sales data) and works with in tandem with one or more dimensions. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and online analytical processing (OLAP) cubes in PeopleSoft Cube Manager.
data elements	Data elements, at their simplest level, define a subset of data and the rules by which to group them. For Workforce Analytics, data elements are rules that tell the system what measures to retrieve about your workforce groups.
dataset	A data grouping that enables role-based filtering and distribution of data. You can limit the range and quantity of data that is displayed for a user by associating dataset rules with user roles. The result of dataset rules is a set of data that is appropriate for the user's roles.
delivery method	In PeopleSoft Enterprise Learning Management, identifies the primary type of delivery method in which a particular learning activity is offered. Also provides default values for the learning activity, such as cost and language. This is primarily used to help learners search the catalog for the type of delivery from which they learn best. Because PeopleSoft Enterprise Learning Management is a blended learning system, it does not enforce the delivery method. In PeopleSoft Supply Chain Management, identifies the method by which goods are shipped to their destinations (such as truck, air, rail, and so on). The delivery method is specified when creating shipment schedules.
delivery method type	In PeopleSoft Enterprise Learning Management, identifies how learning activities can be delivered—for example, through online learning, classroom instruction, seminars, books, and so forth—in an organization. The type determines whether the delivery method includes scheduled components.
detailed business process	A subset of the business process. For example, the detailed business process named Determine Cash Position is a subset of the business process called Cash Management.
dimension	In PeopleSoft Analytic Calculation Engine, a dimension contains a list of one kind of data that can span various contexts, and it is a basic component of an analytic model. Within the analytic model, a dimension is attached to one or more data cubes. In PeopleSoft Cube Manager, a dimension is the most basic component of an OLAP cube and specifies the PeopleSoft metadata to be used to create the dimension's rollup structure. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and OLAP cubes in PeopleSoft Cube Manager.
directory information tree	In PeopleSoft Directory Interface, the representation of a directory's hierarchical structure.
division	In PeopleSoft Enterprise Campus Solutions, the lowest level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and Admissions for enrollment management. You can define a division level, link it to other levels, and set enrollment target numbers for it.

See also *population* and *cohort*.

document sequencing — A flexible method that sequentially numbers the financial transactions (for example, bills, purchase orders, invoices, and payments) in the system for statutory reporting and for tracking commercial transaction activity.

dynamic detail tree — A tree that takes its detail values—dynamic details—directly from a table in the database, rather than from a range of values that are entered by the user.

edit table — A table in the database that has its own record definition, such as the Department table. As fields are entered into a PeopleSoft application, they can be validated against an edit table to ensure data integrity throughout the system.

effective date — A method of dating information in PeopleSoft applications. You can predate information to add historical data to your system, or postdate information in order to enter it before it actually goes into effect. By using effective dates, you don't delete values; you enter a new value with a current effective date.

EIM ledger — Abbreviation for *Enterprise Incentive Management ledger.* In PeopleSoft Enterprise Incentive Management, an object to handle incremental result gathering within the scope of a participant. The ledger captures a result set with all of the appropriate traces to the data origin and to the processing steps of which it is a result.

elimination set — In PeopleSoft General Ledger, a related group of intercompany accounts that is processed during consolidations.

entry event — In PeopleSoft General Ledger, Receivables, Payables, Purchasing, and Billing, a business process that generates multiple debits and credits resulting from single transactions to produce standard, supplemental accounting entries.

equitization — In PeopleSoft General Ledger, a business process that enables parent companies to calculate the net income of subsidiaries on a monthly basis and adjust that amount to increase the investment amount and equity income amount before performing consolidations.

equity item limit — In PeopleSoft Enterprise Campus Solutions, the amounts of funds set by the institution to be awarded with discretionary or gift funds. The limit could be reduced by amounts equal to such things as expected family contribution (EFC) or parent contribution. Students are packaged by Equity Item Type Groups and Related Equity Item Types. This limit can be used to assure that similar student populations are packaged equally.

event — A predefined point either in the Component Processor flow or in the program flow. As each point is encountered, the event activates each component, triggering any PeopleCode program that is associated with that component and that event. Examples of events are FieldChange, SavePreChange, and RowDelete.

In PeopleSoft Human Resources, also refers to an incident that affects benefits eligibility.

event propagation process — In PeopleSoft Sales Incentive Management, a process that determines, through logic, the propagation of an original PeopleSoft Enterprise Incentive Management event and creates a derivative (duplicate) of the original event to be processed by other objects. Sales Incentive Management uses this mechanism to implement splits, roll-ups, and so on. Event propagation determines who receives the credit.

exception — In PeopleSoft Receivables, an item that either is a deduction or is in dispute.

exclusive pricing — In PeopleSoft Order Management, a type of arbitration plan that is associated with a price rule. Exclusive pricing is used to price sales order transactions.

fact — In PeopleSoft applications, facts are numeric data values from fields from a source database as well as an analytic application. A fact can be anything you want to measure your business by, for example, revenue, actual, budget data, or sales numbers. A fact is stored on a fact table.

financial aid term

In PeopleSoft Enterprise Campus Solutions, a combination of a period of time that the school determines as an instructional accounting period and an academic career. It is created and defined during the setup process. Only terms eligible for financial aid are set up for each financial aid career.

forecast item

A logical entity with a unique set of descriptive demand and forecast data that is used as the basis to forecast demand. You create forecast items for a wide range of uses, but they ultimately represent things that you buy, sell, or use in your organization and for which you require a predictable usage.

fund

In PeopleSoft Promotions Management, a budget that can be used to fund promotional activity. There are four funding methods: top down, fixed accrual, rolling accrual, and zero-based accrual.

gap

In PeopleSoft Enterprise Campus Solutions, an artificial figure that sets aside an amount of unmet financial aid need that is not funded with Title IV funds. A gap can be used to prevent fully funding any student to conserve funds, or it can be used to preserve unmet financial aid need so that institutional funds can be awarded.

generic process type

In PeopleSoft Process Scheduler, process types are identified by a generic process type. For example, the generic process type SQR includes all SQR process types, such as SQR process and SQR report.

gift table

In PeopleSoft Enterprise Campus Solutions, a table or so-called *donor pyramid* describing the number and size of gifts that you expect will be needed to successfully complete the campaign in PeopleSoft Contributor Relations. The gift table enables you to estimate the number of donors and prospects that you need at each gift level to reach the campaign goal.

GL business unit

Abbreviation for *general ledger business unit.* A unit in an organization that is an independent entity for accounting purposes. It maintains its own set of accounting books.

See also *business unit*.

GL entry template

Abbreviation for *general ledger entry template.* In PeopleSoft Enterprise Campus Solutions, a template that defines how a particular item is sent to the general ledger. An item-type maps to the general ledger, and the GL entry template can involve multiple general ledger accounts. The entry to the general ledger is further controlled by high-level flags that control the summarization and the type of accounting—that is, accrual or cash.

GL Interface process

Abbreviation for *General Ledger Interface process.* In PeopleSoft Enterprise Campus Solutions, a process that is used to send transactions from PeopleSoft Enterprise Student Financials to the general ledger. Item types are mapped to specific general ledger accounts, enabling transactions to move to the general ledger when the GL Interface process is run.

group

In PeopleSoft Billing and Receivables, a posting entity that comprises one or more transactions (items, deposits, payments, transfers, matches, or write-offs).

In PeopleSoft Human Resources Management and Supply Chain Management, any set of records that are associated under a single name or variable to run calculations in PeopleSoft business processes. In PeopleSoft Time and Labor, for example, employees are placed in groups for time reporting purposes.

incentive object

In PeopleSoft Enterprise Incentive Management, the incentive-related objects that define and support the PeopleSoft Enterprise Incentive Management calculation process and results, such as plan templates, plans, results data, user interaction objects, and so on.

incentive rule In PeopleSoft Sales Incentive Management, the commands that act on transactions and turn them into compensation. A rule is one part in the process of turning a transaction into compensation.

incur In PeopleSoft Promotions Management, to become liable for a promotional payment. In other words, you owe that amount to a customer for promotional activities.

initiative In PeopleSoft Enterprise Campus Solutions, the basis from which all advancement plans are executed. It is an organized effort targeting a specific constituency, and it can occur over a specified period of time with specific purposes and goals. An initiative can be a campaign, an event, an organized volunteer effort, a membership drive, or any other type of effort defined by the institution. Initiatives can be multipart, and they can be related to other initiatives. This enables you to track individual parts of an initiative, as well as entire initiatives.

inquiry access In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user only to view data.

See also *update access.*

institution In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.

integration A relationship between two compatible integration points that enables communication to take place between systems. Integrations enable PeopleSoft applications to work seamlessly with other PeopleSoft applications or with third-party systems or software.

integration point An interface that a system uses to communicate with another PeopleSoft application or an external application.

integration set A logical grouping of integrations that applications use for the same business purpose. For example, the integration set ADVANCED_SHIPPING_ORDER contains all of the integrations that notify a customer that an order has shipped.

item In PeopleSoft Inventory, a tangible commodity that is stored in a business unit (shipped from a warehouse).

In PeopleSoft Demand Planning, Inventory Policy Planning, and Supply Planning, a noninventory item that is designated as being used for planning purposes only. It can represent a family or group of inventory items. It can have a planning bill of material (BOM) or planning routing, and it can exist as a component on a planning BOM. A planning item cannot be specified on a production or engineering BOM or routing, and it cannot be used as a component in a production. The quantity on hand will never be maintained.

In PeopleSoft Receivables, an individual receivable. An item can be an invoice, a credit memo, a debit memo, a write-off, or an adjustment.

item shuffle In PeopleSoft Enterprise Campus Solutions, a process that enables you to change a payment allocation without having to reverse the payment.

joint communication In PeopleSoft Enterprise Campus Solutions, one letter that is addressed jointly to two people. For example, a letter might be addressed to both Mr. Sudhir Awat and Ms. Samantha Mortelli. A relationship must be established between the two individuals in the database, and at least one of the individuals must have an ID in the database.

keyword In PeopleSoft Enterprise Campus Solutions, a term that you link to particular elements within PeopleSoft Student Financials, Financial Aid, and Contributor Relations.

You can use keywords as search criteria that enable you to locate specific records in a search dialog box.

KPI — An abbreviation for *key performance indicator.* A high-level measurement of how well an organization is doing in achieving critical success factors. This defines the data value or calculation upon which an assessment is determined.

LDIF file — Abbreviation for *Lightweight Directory Access Protocol (LDAP) Data Interchange Format file.* Contains discrepancies between PeopleSoft data and directory data.

learner group — In PeopleSoft Enterprise Learning Management, a group of learners who are linked to the same learning environment. Members of the learner group can share the same attributes, such as the same department or job code. Learner groups are used to control access to and enrollment in learning activities and programs. They are also used to perform group enrollments and mass enrollments in the back office.

learning components — In PeopleSoft Enterprise Learning Management, the foundational building blocks of learning activities. PeopleSoft Enterprise Learning Management supports six basic types of learning components: web-based, session, webcast, test, survey, and assignment. One or more of these learning component types compose a single learning activity.

learning environment — In PeopleSoft Enterprise Learning Management, identifies a set of categories and catalog items that can be made available to learner groups. Also defines the default values that are assigned to the learning activities and programs that are created within a particular learning environment. Learning environments provide a way to partition the catalog so that learners see only those items that are relevant to them.

learning history — In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's completed learning activities and programs.

ledger mapping — You use ledger mapping to relate expense data from general ledger accounts to resource objects. Multiple ledger line items can be mapped to one or more resource IDs. You can also use ledger mapping to map dollar amounts (referred to as *rates*) to business units. You can map the amounts in two different ways: an actual amount that represents actual costs of the accounting period, or a budgeted amount that can be used to calculate the capacity rates as well as budgeted model results. In PeopleSoft Enterprise Warehouse, you can map general ledger accounts to the EW Ledger table.

library section — In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan (or template) and that is available for other plans to share. Changes to a library section are reflected in all plans that use it.

linked section — In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan template but appears in a plan. Changes to linked sections propagate to plans using that section.

linked variable — In PeopleSoft Enterprise Incentive Management, a variable that is defined and maintained in a plan template and that also appears in a plan. Changes to linked variables propagate to plans using that variable.

LMS — Abbreviation for *learning management system.* In PeopleSoft Enterprise Campus Solutions, LMS is a PeopleSoft Student Records feature that provides a common set of interoperability standards that enable the sharing of instructional content and data between learning and administrative environments.

load — In PeopleSoft Inventory, identifies a group of goods that are shipped together. Load management is a feature of PeopleSoft Inventory that is used to track the weight, the volume, and the destination of a shipment.

local functionality	In PeopleSoft HRMS, the set of information that is available for a specific country. You can access this information when you click the appropriate country flag in the global window, or when you access it by a local country menu.
location	Locations enable you to indicate the different types of addresses—for a company, for example, one address to receive bills, another for shipping, a third for postal deliveries, and a separate street address. Each address has a different location number. The primary location—indicated by a *1*—is the address you use most often and may be different from the main address.
logistical task	In PeopleSoft Services Procurement, an administrative task that is related to hiring a service provider. Logistical tasks are linked to the service type on the work order so that different types of services can have different logistical tasks. Logistical tasks include both preapproval tasks (such as assigning a new badge or ordering a new laptop) and postapproval tasks (such as scheduling orientation or setting up the service provider email). The logistical tasks can be mandatory or optional. Mandatory preapproval tasks must be completed before the work order is approved. Mandatory postapproval tasks, on the other hand, must be completed before a work order is released to a service provider.
market template	In PeopleSoft Enterprise Incentive Management, additional functionality that is specific to a given market or industry and is built on top of a product category.
mass change	In PeopleSoft Enterprise Campus Solutions, mass change is a SQL generator that can be used to create specialized functionality. Using mass change, you can set up a series of Insert, Update, or Delete SQL statements to perform business functions that are specific to the institution. See also *3C engine*.
match group	In PeopleSoft Receivables, a group of receivables items and matching offset items. The system creates match groups by using user-defined matching criteria for selected field values.
MCF server	Abbreviation for *PeopleSoft MultiChannel Framework server.* Comprises the universal queue server and the MCF log server. Both processes are started when *MCF Servers* is selected in an application server domain configuration.
merchandising activity	In PeopleSoft Promotions Management, a specific discount type that is associated with a trade promotion (such as off-invoice, billback or rebate, or lump-sum payment) that defines the performance that is required to receive the discount. In the industry, you may know this as an offer, a discount, a merchandising event, an event, or a tactic.
meta-SQL	Meta-SQL constructs expand into platform-specific Structured Query Language (SQL) substrings. They are used in functions that pass SQL strings, such as in SQL objects, the SQLExec function, and PeopleSoft Application Engine programs.
metastring	Metastrings are special expressions included in SQL string literals. The metastrings, prefixed with a percent (%) symbol, are included directly in the string literals. They expand at run time into an appropriate substring for the current database platform.
multibook	In PeopleSoft General Ledger, multiple ledgers having multiple-base currencies that are defined for a business unit, with the option to post a single transaction to all base currencies (all ledgers) or to only one of those base currencies (ledgers).
multicurrency	The ability to process transactions in a currency other than the business unit's base currency.
national allowance	In PeopleSoft Promotions Management, a promotion at the corporate level that is funded by nondiscretionary dollars. In the industry, you may know this as a national promotion, a corporate promotion, or a corporate discount.

need	In PeopleSoft Enterprise Campus Solutions, the difference between the cost of attendance (COA) and the expected family contribution (EFC). It is the gap between the cost of attending the school and the student's resources. The financial aid package is based on the amount of financial need. The process of determining a student's need is called *need analysis.*
node-oriented tree	A tree that is based on a detail structure, but the detail values are not used.
pagelet	Each block of content on the home page is called a pagelet. These pagelets display summary information within a small rectangular area on the page. The pagelet provide users with a snapshot of their most relevant PeopleSoft and non-PeopleSoft content.
participant	In PeopleSoft Enterprise Incentive Management, participants are recipients of the incentive compensation calculation process.
participant object	Each participant object may be related to one or more compensation objects. See also *compensation object.*
partner	A company that supplies products or services that are resold or purchased by the enterprise.
pay cycle	In PeopleSoft Payables, a set of rules that define the criteria by which it should select scheduled payments for payment creation.
payment shuffle	In PeopleSoft Enterprise Campus Solutions, a process allowing payments that have been previously posted to a student's account to be automatically reapplied when a higher priority payment is posted or the payment allocation definition is changed.
pending item	In PeopleSoft Receivables, an individual receivable (such as an invoice, a credit memo, or a write-off) that has been entered in or created by the system, but hasn't been posted.
PeopleCode	PeopleCode is a proprietary language, executed by the PeopleSoft component processor. PeopleCode generates results based on existing data or user actions. By using various tools provided with PeopleTools, external services are available to all PeopleSoft applications wherever PeopleCode can be executed.
PeopleCode event	See *event.*
PeopleSoft Pure Internet Architecture	The fundamental architecture on which PeopleSoft 8 applications are constructed, consisting of a relational database management system (RDBMS), an application server, a web server, and a browser.
performance measurement	In PeopleSoft Enterprise Incentive Management, a variable used to store data (similar to an aggregator, but without a predefined formula) within the scope of an incentive plan. Performance measures are associated with a plan calendar, territory, and participant. Performance measurements are used for quota calculation and reporting.
period context	In PeopleSoft Enterprise Incentive Management, because a participant typically uses the same compensation plan for multiple periods, the period context associates a plan context with a specific calendar period and fiscal year. The period context references the associated plan context, thus forming a chain. Each plan context has a corresponding set of period contexts.
person of interest	A person about whom the organization maintains information but who is not part of the workforce.
personal portfolio	In PeopleSoft Enterprise Campus Solutions, the user-accessible menu item that contains an individual's name, address, telephone number, and other personal information.

plan In PeopleSoft Sales Incentive Management, a collection of allocation rules, variables, steps, sections, and incentive rules that instruct the PeopleSoft Enterprise Incentive Management engine in how to process transactions.

plan context In PeopleSoft Enterprise Incentive Management, correlates a participant with the compensation plan and node to which the participant is assigned, enabling the PeopleSoft Enterprise Incentive Management system to find anything that is associated with the node and that is required to perform compensation processing. Each participant, node, and plan combination represents a unique plan context—if three participants are on a compensation structure, each has a different plan context. Configuration plans are identified by plan contexts and are associated with the participants that refer to them.

plan template In PeopleSoft Enterprise Incentive Management, the base from which a plan is created. A plan template contains common sections and variables that are inherited by all plans that are created from the template. A template may contain steps and sections that are not visible in the plan definition.

planned learning In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's planned learning activities and programs.

planning instance In PeopleSoft Supply Planning, a set of data (business units, items, supplies, and demands) constituting the inputs and outputs of a supply plan.

population In PeopleSoft Enterprise Campus Solutions, the middle level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and Admissions for enrollment management. You can define a population level, link it to other levels, and set enrollment target numbers for it.

See also *division* and *cohort*.

portal registry In PeopleSoft applications, the portal registry is a tree-like structure in which content references are organized, classified, and registered. It is a central repository that defines both the structure and content of a portal through a hierarchical, tree-like structure of folders useful for organizing and securing content references.

price list In PeopleSoft Enterprise Pricer, enables you to select products and conditions for which the price list applies to a transaction. During a transaction, the system either determines the product price based on the predefined search hierarchy for the transaction or uses the product's lowest price on any associated, active price lists. This price is used as the basis for any further discounts and surcharges.

price rule In PeopleSoft Enterprise Pricer, defines the conditions that must be met for adjustments to be applied to the base price. Multiple rules can apply when conditions of each rule are met.

price rule condition In PeopleSoft Enterprise Pricer, selects the price-by fields, the values for the price-by fields, and the operator that determines how the price-by fields are related to the transaction.

price rule key In PeopleSoft Enterprise Pricer, defines the fields that are available to define price rule conditions (which are used to match a transaction) on the price rule.

primacy number In PeopleSoft Enterprise Campus Solutions, a number that the system uses to prioritize financial aid applications when students are enrolled in multiple academic careers and academic programs at the same time. The Consolidate Academic Statistics process uses the primacy number indicated for both the career and program at the institutional level to determine a student's primary career and program. The system also uses the number to determine the primary student attribute value that is used when you extract data to report on cohorts. The lowest number takes precedence.

primary name type In PeopleSoft Enterprise Campus Solutions, the name type that is used to link the name stored at the highest level within the system to the lower-level set of names that an individual provides.

process category In PeopleSoft Process Scheduler, processes that are grouped for server load balancing and prioritization.

process group In PeopleSoft Financials, a group of application processes (performed in a defined order) that users can initiate in real time, directly from a transaction entry page.

process definition Process definitions define each run request.

process instance A unique number that identifies each process request. This value is automatically incremented and assigned to each requested process when the process is submitted to run.

process job You can link process definitions into a job request and process each request serially or in parallel. You can also initiate subsequent processes based on the return code from each prior request.

process request A single run request, such as a Structured Query Report (SQR), a COBOL or Application Engine program, or a Crystal report that you run through PeopleSoft Process Scheduler.

process run control A PeopleTools variable used to retain PeopleSoft Process Scheduler values needed at runtime for all requests that reference a run control ID. Do not confuse these with application run controls, which may be defined with the same run control ID, but only contain information specific to a given application process request.

product A PeopleSoft or third-party product. PeopleSoft organizes its software products into product families and product lines. Interactive Services Repository contains information about every release of every product that PeopleSoft sells, as well as products from certified third-party companies. These products are displayed with the product name and release number.

product category In PeopleSoft Enterprise Incentive Management, indicates an application in the Enterprise Incentive Management suite of products. Each transaction in the PeopleSoft Enterprise Incentive Management system is associated with a product category.

product family A group of products that are related by common functionality. The family names that can be searched using Interactive Service Repository are PeopleSoft Enterprise, PeopleSoft EnterpriseOne, PeopleSoft World, and third-party, certified PeopleSoft partners.

product line The name of a PeopleSoft product line or the company name of a third-party certified partner. Integration Services Repository enables you to search for integration points by product line.

programs In PeopleSoft Enterprise Learning Management, a high-level grouping that guides the learner along a specific learning path through sections of catalog items. PeopleSoft Enterprise Learning Systems provides two types of programs—curricula and certifications.

progress log In PeopleSoft Services Procurement, tracks deliverable-based projects. This is similar to the time sheet in function and process. The service provider contact uses the progress log to record and submit progress on deliverables. The progress can be logged by the activity that is performed, by the percentage of work that is completed, or by the completion of milestone activities that are defined for the project.

project transaction In PeopleSoft Project Costing, an individual transaction line that represents a cost, time, budget, or other transaction row.

promotion	In PeopleSoft Promotions Management, a trade promotion, which is typically funded from trade dollars and used by consumer products manufacturers to increase sales volume.
prospects	In PeopleSoft Enterprise Campus Solutions, students who are interested in applying to the institution. In PeopleSoft Enterprise Contributor Relations, individuals and organizations that are most likely to make substantial financial commitments or other types of commitments to the institution.
publishing	In PeopleSoft Enterprise Incentive Management, a stage in processing that makes incentive-related results available to participants.
rating components	In PeopleSoft Enterprise Campus Solutions, variables used with the Equation Editor to retrieve specified populations.
record group	A set of logically and functionally related control tables and views. Record groups help enable TableSet sharing, which eliminates redundant data entry. Record groups ensure that TableSet sharing is applied consistently across all related tables and views.
record input VAT flag	Abbreviation for *record input value-added tax flag.* Within PeopleSoft Purchasing, Payables, and General Ledger, this flag indicates that you are recording input VAT on the transaction. This flag, in conjunction with the record output VAT flag, is used to determine the accounting entries created for a transaction and to determine how a transaction is reported on the VAT return. For all cases within Purchasing and Payables where VAT information is tracked on a transaction, this flag is set to Yes. This flag is not used in PeopleSoft Order Management, Billing, or Receivables, where it is assumed that you are always recording only output VAT, or in PeopleSoft Expenses, where it is assumed that you are always recording only input VAT.
record output VAT flag	Abbreviation for *record output value-added tax flag.* See *record input VAT flag.*
recname	The name of a record that is used to determine the associated field to match a value or set of values.
recognition	In PeopleSoft Enterprise Campus Solutions, the recognition type indicates whether the PeopleSoft Enterprise Contributor Relations donor is the primary donor of a commitment or shares the credit for a donation. Primary donors receive hard credit that must total 100 percent. Donors that share the credit are given soft credit. Institutions can also define other share recognition-type values such as memo credit or vehicle credit.
reference data	In PeopleSoft Sales Incentive Management, system objects that represent the sales organization, such as territories, participants, products, customers, channels, and so on.
reference object	In PeopleSoft Enterprise Incentive Management, this dimension-type object further defines the business. Reference objects can have their own hierarchy (for example, product tree, customer tree, industry tree, and geography tree).
reference transaction	In commitment control, a reference transaction is a source transaction that is referenced by a higher-level (and usually later) source transaction, in order to automatically reverse all or part of the referenced transaction's budget-checked amount. This avoids duplicate postings during the sequential entry of the transaction at different commitment levels. For example, the amount of an encumbrance transaction (such as a purchase order) will, when checked and recorded against a budget, cause the system to concurrently reference and relieve all or part of the amount of a corresponding pre-encumbrance transaction, such as a purchase requisition.
regional sourcing	In PeopleSoft Purchasing, provides the infrastructure to maintain, display, and select an appropriate vendor and vendor pricing structure that is based on a regional sourcing

	model where the multiple ship to locations are grouped. Sourcing may occur at a level higher than the ship to location.
relationship object	In PeopleSoft Enterprise Incentive Management, these objects further define a compensation structure to resolve transactions by establishing associations between compensation objects and business objects.
remote data source data	Data that is extracted from a separate database and migrated into the local database.
REN server	Abbreviation for *real-time event notification server* in PeopleSoft MultiChannel Framework.
requester	In PeopleSoft eSettlements, an individual who requests goods or services and whose ID appears on the various procurement pages that reference purchase orders.
reversal indicator	In PeopleSoft Enterprise Campus Solutions, an indicator that denotes when a particular payment has been reversed, usually because of insufficient funds.
role	Describes how people fit into PeopleSoft Workflow. A role is a class of users who perform the same type of work, such as clerks or managers. Your business rules typically specify what user role needs to do an activity.
role user	A PeopleSoft Workflow user. A person's role user ID serves much the same purpose as a user ID does in other parts of the system. PeopleSoft Workflow uses role user IDs to determine how to route worklist items to users (through an email address, for example) and to track the roles that users play in the workflow. Role users do not need PeopleSoft user IDs.
roll up	In a tree, to roll up is to total sums based on the information hierarchy.
run control	A run control is a type of online page that is used to begin a process, such as the batch processing of a payroll run. Run control pages generally start a program that manipulates data.
run control ID	A unique ID to associate each user with his or her own run control table entries.
run-level context	In PeopleSoft Enterprise Incentive Management, associates a particular run (and batch ID) with a period context and plan context. Every plan context that participates in a run has a separate run-level context. Because a run cannot span periods, only one run-level context is associated with each plan context.
SCP SCBM XML message	Abbreviation for *Supply Chain Planning Supply Chain Business Modeler Extensible Markup Language message.* PeopleSoft EnterpriseOne Supply Chain Business Modeler uses XML as the format for all data that it imports and exports.
search query	You use this set of objects to pass a query string and operators to the search engine. The search index returns a set of matching results with keys to the source documents.
search/match	In PeopleSoft Enterprise Campus Solutions and PeopleSoft Enterprise Human Resources Management Solutions, a feature that enables you to search for and identify duplicate records in the database.
seasonal address	In PeopleSoft Enterprise Campus Solutions, an address that recurs for the same length of time at the same time of year each year until adjusted or deleted.
section	In PeopleSoft Enterprise Incentive Management, a collection of incentive rules that operate on transactions of a specific type. Sections enable plans to be segmented to process logical events in different sections.
security event	In commitment control, security events trigger security authorization checking, such as budget entries, transfers, and adjustments; exception overrides and notifications; and inquiries.

serial genealogy In PeopleSoft Manufacturing, the ability to track the composition of a specific, serial-controlled item.

serial in production In PeopleSoft Manufacturing, enables the tracing of serial information for manufactured items. This is maintained in the Item Master record.

service impact In PeopleSoft Enterprise Campus Solutions, the resulting action triggered by a service indicator. For example, a service indicator that reflects nonpayment of account balances by a student might result in a service impact that prohibits registration for classes.

service indicator In PeopleSoft Enterprise Campus Solutions, indicates services that may be either withheld or provided to an individual. Negative service indicators indicate holds that prevent the individual from receiving specified services, such as check-cashing privileges or registration for classes. Positive service indicators designate special services that are provided to the individual, such as front-of-line service or special services for disabled students.

session In PeopleSoft Enterprise Campus Solutions, time elements that subdivide a term into multiple time periods during which classes are offered. In PeopleSoft Contributor Relations, a session is the means of validating gift, pledge, membership, or adjustment data entry . It controls access to the data entered by a specific user ID. Sessions are balanced, queued, and then posted to the institution’s financial system. Sessions must be posted to enter a matching gift or pledge payment, to make an adjustment, or to process giving clubs or acknowledgements.

In PeopleSoft Enterprise Learning Management, a single meeting day of an activity (that is, the period of time between start and finish times within a day). The session stores the specific date, location, meeting time, and instructor. Sessions are used for scheduled training.

session template In PeopleSoft Enterprise Learning Management, enables you to set up common activity characteristics that may be reused while scheduling a PeopleSoft Enterprise Learning Management activity—characteristics such as days of the week, start and end times, facility and room assignments, instructors, and equipment. A session pattern template can be attached to an activity that is being scheduled. Attaching a template to an activity causes all of the default template information to populate the activity session pattern.

setup relationship In PeopleSoft Enterprise Incentive Management, a relationship object type that associates a configuration plan with any structure node.

share driver expression In PeopleSoft Business Planning, a named planning method similar to a driver expression, but which you can set up globally for shared use within a single planning application or to be shared between multiple planning applications through PeopleSoft Enterprise Warehouse.

single signon With single signon, users can, after being authenticated by a PeopleSoft application server, access a second PeopleSoft application server without entering a user ID or password.

source key process In PeopleSoft Enterprise Campus Solutions, a process that relates a particular transaction to the source of the charge or financial aid. On selected pages, you can drill down into particular charges.

source transaction In commitment control, any transaction generated in a PeopleSoft or third-party application that is integrated with commitment control and which can be checked against commitment control budgets. For example, a pre-encumbrance, encumbrance, expenditure, recognized revenue, or collected revenue transaction.

speed key See *communication key.*

SpeedChart A user-defined shorthand key that designates several ChartKeys to be used for voucher entry. Percentages can optionally be related to each ChartKey in a SpeedChart definition.

SpeedType A code representing a combination of ChartField values. SpeedTypes simplify the entry of ChartFields commonly used together.

staging A method of consolidating selected partner offerings with the offerings from the enterprise's other partners.

standard letter code In PeopleSoft Enterprise Campus Solutions, a standard letter code used to identify each letter template available for use in mail merge functions. Every letter generated in the system must have a standard letter code identification.

statutory account Account required by a regulatory authority for recording and reporting financial results. In PeopleSoft, this is equivalent to the Alternate Account (ALTACCT) ChartField.

step In PeopleSoft Sales Incentive Management, a collection of sections in a plan. Each step corresponds to a step in the job run.

storage level In PeopleSoft Inventory, identifies the level of a material storage location. Material storage locations are made up of a business unit, a storage area, and a storage level. You can set up to four storage levels.

subcustomer qualifier A value that groups customers into a division for which you can generate detailed history, aging, events, and profiles.

Summary ChartField You use summary ChartFields to create summary ledgers that roll up detail amounts based on specific detail values or on selected tree nodes. When detail values are summarized using tree nodes, summary ChartFields must be used in the summary ledger data record to accommodate the maximum length of a node name (20 characters).

summary ledger An accounting feature used primarily in allocations, inquiries, and PS/nVision reporting to store combined account balances from detail ledgers. Summary ledgers increase speed and efficiency of reporting by eliminating the need to summarize detail ledger balances each time a report is requested. Instead, detail balances are summarized in a background process according to user-specified criteria and stored on summary ledgers. The summary ledgers are then accessed directly for reporting.

summary time period In PeopleSoft Business Planning, any time period (other than a base time period) that is an aggregate of other time periods, including other summary time periods and base time periods, such as quarter and year total.

summary tree A tree used to roll up accounts for each type of report in summary ledgers. Summary trees enable you to define trees on trees. In a summary tree, the detail values are really nodes on a detail tree or another summary tree (known as the *basis* tree). A summary tree structure specifies the details on which the summary trees are to be built.

syndicate To distribute a production version of the enterprise catalog to partners.

system function In PeopleSoft Receivables, an activity that defines how the system generates accounting entries for the general ledger.

system source The system source identifies the source of a transaction row in the database. For example, a transaction that originates in PeopleSoft Enterprise Expenses contains a system source code of BEX (Expenses Batch).

When PeopleSoft Enterprise Project Costing prices the source transaction row for billing, the system creates a new row with a system source code of PRP (Project Costing pricing), which represents the system source of the new row. System source codes can identify sources that are internal or external to the PeopleSoft system.

	For example, processes that import data from Microsoft Project into PeopleSoft applications create transaction rows with a source code of MSP (Microsoft Project).
TableSet	A means of sharing similar sets of values in control tables, where the actual data values are different but the structure of the tables is the same.
TableSet sharing	Shared data that is stored in many tables that are based on the same TableSets. Tables that use TableSet sharing contain the SETID field as an additional key or unique identifier.
target currency	The value of the entry currency or currencies converted to a single currency for budget viewing and inquiry purposes.
tax authority	In PeopleSoft Enterprise Campus Solutions, a user-defined element that combines a description and percentage of a tax with an account type, an item type, and a service impact.
template	A template is HTML code associated with a web page. It defines the layout of the page and also where to get HTML for each part of the page. In PeopleSoft, you use templates to build a page by combining HTML from a number of sources. For a PeopleSoft portal, all templates must be registered in the portal registry, and each content reference must be assigned a template.
territory	In PeopleSoft Sales Incentive Management, hierarchical relationships of business objects, including regions, products, customers, industries, and participants.
third party	A company or vendor that has extensive PeopleSoft product knowledge and whose products and integrations have been certified and are compatible with PeopleSoft applications.
3C engine	Abbreviation for *Communications, Checklists, and Comments engine.* In PeopleSoft Enterprise Campus Solutions, the 3C engine enables you to automate business processes that involve additions, deletions, and updates to communications, checklists, and comments. You define events and triggers to engage the engine, which runs the mass change and processes the 3C records (for individuals or organizations) immediately and automatically from within business processes.
3C group	Abbreviation for *Communications, Checklists, and Comments group.* In PeopleSoft Enterprise Campus Solutions, a method of assigning or restricting access privileges. A 3C group enables you to group specific communication categories, checklist codes, and comment categories. You can then assign the group inquiry-only access or update access, as appropriate.
TimeSpan	A relative period, such as year-to-date or current period, that can be used in various PeopleSoft General Ledger functions and reports when a rolling time frame, rather than a specific date, is required. TimeSpans can also be used with flexible formulas in PeopleSoft Projects.
trace usage	In PeopleSoft Manufacturing, enables the control of which components will be traced during the manufacturing process. Serial- and lot-controlled components can be traced. This is maintained in the Item Master record.
transaction allocation	In PeopleSoft Enterprise Incentive Management, the process of identifying the owner of a transaction. When a raw transaction from a batch is allocated to a plan context, the transaction is duplicated in the PeopleSoft Enterprise Incentive Management transaction tables.
transaction state	In PeopleSoft Enterprise Incentive Management, a value assigned by an incentive rule to a transaction. Transaction states enable sections to process only transactions that are at a specific stage in system processing. After being successfully processed, transactions may be promoted to the next transaction state and “picked up” by a different section for further processing.

Translate table	A system edit table that stores codes and translate values for the miscellaneous fields in the database that do not warrant individual edit tables of their own.
tree	The graphical hierarchy in PeopleSoft systems that displays the relationship between all accounting units (for example, corporate divisions, projects, reporting groups, account numbers) and determines roll-up hierarchies.
tuition lock	In PeopleSoft Enterprise Campus Solutions, a feature in the Tuition Calculation process that enables you to specify a point in a term after which students are charged a minimum (or *locked*) fee amount. Students are charged the locked fee amount even if they later drop classes and take less than the normal load level for that tuition charge.
unclaimed transaction	In PeopleSoft Enterprise Incentive Management, a transaction that is not claimed by a node or participant after the allocation process has completed, usually due to missing or incomplete data. Unclaimed transactions may be manually assigned to the appropriate node or participant by a compensation administrator.
universal navigation header	Every PeopleSoft portal includes the universal navigation header, intended to appear at the top of every page as long as the user is signed on to the portal. In addition to providing access to the standard navigation buttons (like Home, Favorites, and signoff) the universal navigation header can also display a welcome message for each user.
update access	In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user to edit and update data. See also *inquiry access.*
user interaction object	In PeopleSoft Sales Incentive Management, used to define the reporting components and reports that a participant can access in his or her context. All Sales Incentive Management user interface objects and reports are registered as user interaction objects. User interaction objects can be linked to a compensation structure node through a compensation relationship object (individually or as groups).
variable	In PeopleSoft Sales Incentive Management, the intermediate results of calculations. Variables hold the calculation results and are then inputs to other calculations. Variables can be plan variables that persist beyond the run of an engine or local variables that exist only during the processing of a section.
VAT exception	Abbreviation for *value-added tax exception.* A temporary or permanent exemption from paying VAT that is granted to an organization. This terms refers to both VAT exoneration and VAT suspension.
VAT exempt	Abbreviation for *value-added tax exempt.* Describes goods and services that are not subject to VAT. Organizations that supply exempt goods or services are unable to recover the related input VAT. This is also referred to as exempt without recovery.
VAT exoneration	Abbreviation for *value-added tax exoneration.* An organization that has been granted a permanent exemption from paying VAT due to the nature of that organization.
VAT suspension	Abbreviation for *value-added tax suspension.* An organization that has been granted a temporary exemption from paying VAT.
warehouse	A PeopleSoft data warehouse that consists of predefined ETL maps, data warehouse tools, and DataMart definitions.
work order	In PeopleSoft Services Procurement, enables an enterprise to create resource-based and deliverable-based transactions that specify the basic terms and conditions for hiring a specific service provider. When a service provider is hired, the service provider logs time or progress against the work order.
worker	A person who is part of the workforce; an employee or a contingent worker.

workset A group of people and organizations that are linked together as a set. You can use worksets to simultaneously retrieve the data for a group of people and organizations and work with the information on a single page.

worksheet A way of presenting data through a PeopleSoft Business Analysis Modeler interface that enables users to do in-depth analysis using pivoting tables, charts, notes, and history information.

worklist The automated to-do list that PeopleSoft Workflow creates. From the worklist, you can directly access the pages you need to perform the next action, and then return to the worklist for another item.

XML link The XML Linking language enables you to insert elements into XML documents to create a links between resources.

XML schema An XML definition that standardizes the representation of application messages, component interfaces, or business interlinks.

XPI Abbreviation for *eXtended Process Integrator.* PeopleSoft XPI is the integration infrastructure that enables both real-time and batch communication with EnterpriseOne applications.

yield by operation In PeopleSoft Manufacturing, the ability to plan the loss of a manufactured item on an operation-by-operation basis.

zero-rated VAT Abbreviation for *zero-rated value-added tax.* A VAT transaction with a VAT code that has a tax percent of zero. Used to track taxable VAT activity where no actual VAT amount is charged. Organizations that supply zero-rated goods and services can still recover the related input VAT. This is also referred to as exempt with recovery.

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